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1962-1963 DATA TABULATIONS AND SUMMARIES CHICAGO

Continuous Air Monitoring Projects

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U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
Consumer Protection and Environmental Health Service

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The APTD series reports technical data of interest to a limited readership.

16. Abstracts

Summaries of hourly average concentrations of carbon monoxide, nitric oxide, nitrogen dioxide, sulfur dioxide, total hydrocarbon, and total oxidant are tabulated; soiling index for 1963 is also tabulated. Brief summaries of monthly means and maximums, and annual frequency distributions of data ~~are also tabulated.~~

as are

for Chicago

The

17. Key Words and Document Analysis. (a). Descriptors

Air pollution	Aerosols
Urban areas	Concentration (composition)
Carbon monoxide	Experimental data
Nitrogen oxide (NO)	Continuous sampling
Nitrogen dioxide	Arithmetic mean
Sulfur dioxide	Environental surveys
Hydrocarbons	Frequency distribution
Oxidizers	Periodic variations

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CONTINUOUS AIR MONITORING PROJECTS
NATIONAL AIR SURVEILLANCE NETWORKS

CHICAGO

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
Consumer Protection and Environmental Health Service
National Air Pollution Control Administration
Division of Air Quality and Emission Data
Arlington, Virginia

May 1969

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National Air Pollution Control Administration Publication No. APTD 69-4

PREFACE

The Continuous Air Monitoring Projects of the National Air Surveillance Networks operate six continuous monitoring stations in six major cities of the United States. The data tabulations in this booklet are summaries of hourly average concentrations of gaseous pollutants and 2-hour measurements of soiling index levels recorded at Chicago during 1962 and 1963. Also enclosed are brief summaries of monthly means and maximums, and annual frequency distributions of data from all the stations.

For further information contact: National Air Pollution Control Administration, Ballston Center Tower No. 2, 801 North Randolph Street, Arlington, Virginia 22203.

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SECTION 1.
SUMMARIES OF MONTHLY MEANS AND MAXIMUMS OF POLLUTANT CONCENTRATIONS

Table 1-1 CHICAGO, 1962

CARBON MONOXIDE

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
APRIL	15	A	9.	11	18.	11	16	30.	11	1655
MAY	9	A	5.	21	11.	12*	17	23.	16	1430
JUNE	18	7.4	17.	14	28.	14	21	43.	14	1110
JULY	0	A								
AUG.	0	A								
SEPT.	0	A								
OCT.	0	A								
NOV.	0	A								
DEC.	30	6.7	13.	17	32.	17	16	49.	17	1620
YEAR	72	6.3	17.		32.			49.		

NITRIC OXIDE

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	24	0.095	0.14	4	0.36	26	10	0.43	26	1005
FEB.	0	A								
MARCH	18	0.057	0.11	29	0.26	29	9	0.32	29	840
APRIL	26	0.085	0.15	29#	0.27	3	7	0.31	16	655
MAY	31	0.099	0.26	2	0.58	3	8	0.66	4	2255
JUNE	30	0.083	0.16	13	0.29	22	22	0.37	14	2225
JULY	23	0.092	0.17	18	0.46	19	5	0.51	19	630
AUG.	29	0.074	0.13	18*	0.38	18*	6	0.41	18*	650
SEPT.	30	0.105	0.15	28	0.35	30#	0	0.39	29*	650
OCT.	31	0.107	0.17	31	0.27	10	6	0.31	10	645
NOV.	30	0.171	0.36	29	0.61	29	8	0.66	30	900
DEC.	31	0.148	0.35	1*	0.60	1*	8	0.63	1*	810
YEAR	303	0.104	0.36		0.61			0.66		

A : AVERAGE NOT CALCULATED BECAUSE OF INSUFFICIENT OR POORLY DISTRIBUTED DATA
* : INDICATES SATURDAY
# : INDICATES SUNDAY

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Table 1-1 (continued). CHICAGO, 1962

NITROGEN DIOXIDE

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	HRLY.	MAX. AVG. CONC. DAY	HR.	5 MIN.	MAX. INST. CONC. DAY	TIME
JAN.	14	A	0.06	15	0.13	15	13	0.17	15	1300
FEB.	17	0.027	0.05	6	0.08	6	13	0.08	6	1305
MARCH	22	0.047	0.10	2	0.19	2	13	0.21	2	1335
APRIL	28	0.043	0.06	3	0.11	24	7	0.13	15#	1220
MAY	31	0.049	0.09	16	0.16	16	16	0.19	16	1715
JUNE	30	0.064	0.12	15	0.22	25	10	0.26	25	1055
JULY	23	0.064	0.10	6	0.20	11	12	0.22	11	1200
AUG.	27	0.040	0.07	29	0.11	15	8	0.11	15	800
SEPT.	30	0.038	0.06	16#	0.11	16#	16	0.12	23#	1005
OCT.	31	0.032	0.05	5	0.10	5	10	0.11	5	1020
NOV.	30	0.037	0.08	30	0.19	30	11	0.20	30	1120
DEC.	31	0.036	0.08	1*	0.18	1*	13	0.20	1*	1320
YEAR	314	0.043	0.12		0.22			0.26		

SULFUR DIOXIDE

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	HRLY.	MAX. AVG. CONC. DAY	HR.	5 MIN.	MAX. INST. CONC. DAY	TIME
JAN.	18	0.180	0.36	18	0.52	18	10	0.53	18	920
FEB.	0	A								
MARCH	19	0.139	0.28	12	0.46	18#	11	0.54	12	1440
APRIL	15	A	0.26	17	0.64	17	9	0.84	17	955
MAY	31	0.072	0.15	15	0.40	31	8	0.76	18	0
JUNE	28	0.060	0.13	15	0.42	22	7	0.55	18	600
JULY	19	0.052	0.12	20	0.43	20	10	0.73	20	1100
AUG.	25	0.049	0.12	27	0.75	28	7	1.13	15	740
SEPT.	30	0.058	0.24	12	0.54	12	20	0.76	12	2005
OCT.	31	0.097	0.21	27*	0.63	22	8	0.79	22	850
NOV.	29	0.183	0.32	20	0.86	30	7	1.00	30	725
DEC.	31	0.242	0.40	17	0.89	26	13	1.64	26	1355
YEAR	276	0.113	0.40		0.89			1.64		

A : AVERAGE NOT CALCULATED BECAUSE OF INSUFFICIENT OR POORLY DISTRIBUTED DATA
* : INDICATES SATURDAY
# : INDICATES SUNDAY

Table 1-1 (continued). CHICAGO, 1962

HYDROCARBON

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC.		MAX. HRLY. AVG. CONC.			MAX. 5 MIN. INST. CONC.		
			CONC. (PPM)	DAY	CONC. (PPM)	DAY	HR.	CONC. (PPM)	DAY	TIME
MARCH	19	2.35	4.6	27	8.8	27	19	11.0	27	1915
APRIL	21	3.28	5.1	30	7.8	30	16	9.0	30	1620
MAY	31	3.66	5.1	18	7.8	17	6	11.0	5*	5
JUNE	25	3.64	4.8	22	7.1	22	16	16.0	20	45
JULY	23	4.31	5.9	6	10.6	19	6	15.0	10	2320
AUG.	23	2.49	3.9	26#	7.0	18*	6	17.0	20	2210
SEPT.	22	3.28	5.0	22*	7.4	25	16	12.0	29*	140
OCT.	29	2.95	4.3	9	8.3	11	8	16.0	11	840
NOV.	26	3.33	4.9	12	6.7	12	23	11.0	9	715
DEC.	18	2.82	5.4	17	8.8	17	16	12.0	17	1620
YEAR	237	3.26	5.9		10.6			17.0		

TOTAL OXIDANT

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC.		MAX. HRLY. AVG. CONC.			MAX. 5 MIN. INST. CONC.		
			CONC. (PPM)	DAY	CONC. (PPM)	DAY	HR.	CONC. (PPM)	DAY	TIME
JAN.	0	A								
FEB.	0	A								
MARCH	4	A	0.00	28	0.02	28	8	0.02	28	650
APRIL	22	0.000	0.00	21*	0.01	19	2	0.05	16	1110
MAY	22	0.002	0.01	22	0.05	22	17	0.06	16	1330
JUNE	21	0.004	0.02	25	0.10	25	12	0.12	25	1155
JULY	18	0.005	0.02	12	0.04	7*	18	0.06	7*	1840
AUG.	27	0.008	0.02	7	0.11	7	13	0.16	7	1245
SEPT.	26	0.002	0.01	4	0.08	4	12	0.11	4	1330
OCT.	31	0.001	0.01	6*	0.02	6*	12	0.03	6*	1130
NOV.	30	0.000	0.00	0	0.00	25#	15	0.01	25#	1530
DEC.	31	0.000	0.00	0	0.00	31	10	0.01	1*	1315
YEAR	232	0.002	0.02		0.11			0.16		

A : AVERAGE NOT CALCULATED BECAUSE OF INSUFFICIENT OR POORLY DISTRIBUTED DATA
* : INDICATES SATURDAY
# : INDICATES SUNDAY

Table 1-2. CHICAGO, 1963

CARBON MONOXIDE

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	31	6.9	13.	9	22.	9	17	41.	9	1640
FEB.	28	7.5	13.	28	20.	6	14	37.	23#	2315
MARCH	21	8.7	16.	12	26.	27	21	42.	27	2120
APRIL	27	9.4	13.	30	25.	15	18	39.	26	645
MAY	24	9.6	19.	6	36.	6	7	50.	6	720
JUNE	7	A	13.	30#	25.	30#	18	47.	30#	1720
JULY	16	A	11.	3	19.	3	21	39.	3	1605
AUG.	0	A								
SEPT.	0	A								
OCT.	0	A								
NOV.	0	A								
DEC.	12	A	16.	21#	31.	22#	19	37.	22#	1905
YEAR	166	8.1	19.		36.			50.		

NITRIC OXIDE

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	31	0.111	0.21	26#	0.38	31	10	0.44	31	950
FEB.	8	A	0.18	26	0.35	12	8	0.35	12	800
MARCH	29	0.106	0.19	28	0.40	27	22	0.42	27	2155
APRIL	26	0.089	0.14	25	0.33	26	7	0.43	23	830
MAY	31	0.089	0.16	6	0.39	6	7	0.45	6	730
JUNE	27	0.077	0.14	26	0.50	26	22	0.51	26	2225
JULY	23	0.074	0.14	5	0.25	4	0	0.27	5	650
AUG.	29	0.070	0.09	29	0.19	31*	8	0.24	12	745
SEPT.	30	0.082	0.14	26	0.30	30	21	0.33	26	750
OCT.	31	0.106	0.18	14	0.42	30	1	0.54	30	100
NOV.	27	0.103	0.17	7	0.48	8	8	0.54	7	815
DEC.	31	0.143	0.29	31	0.47	6	21	0.56	22#	5
YEAR	323	0.097	0.29		0.50			0.56		

A : AVERAGE NOT CALCULATED BECAUSE OF INSUFFICIENT OR POORLY DISTRIBUTED DATA
* : INDICATES SATURDAY
# : INDICATES SUNDAY

Table 1-2 (continued). CHICAGO, 1963

NITROGEN DIOXIDE

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	30	0.030	0.05	25	0.07	25	17	0.08	31	1000
FEB.	17	0.036	0.05	1	0.07	5	21	0.08	5	2100
MARCH	28	0.043	0.07	2*	0.15	26	17	0.17	26	1705
APRIL	30	0.040	0.07	26	0.10	26	7	0.11	26	715
MAY	31	0.040	0.06	6	0.11	6	16	0.12	28	900
JUNE	23	0.059	0.13	25	0.21	25	13	0.23	25	1320
JULY	24	0.044	0.10	1	0.15	1	8	0.16	1	815
AUG.	29	0.036	0.06	20	0.13	20	9	0.15	20	910
SEPT.	30	0.039	0.08	26	0.19	26	9	0.22	26	900
OCT.	31	0.055	0.09	16	0.15	15	9	0.18	15	900
NOV.	28	0.038	0.06	19	0.09	19	10	0.10	7	1020
DEC.	31	0.039	0.07	31	0.10	31	13	0.11	31	1300
YEAR	332	0.041	0.13		0.21			0.23		

SULFUR DIOXIDE

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	30	0.328	0.71	25	1.36	25	12	1.61	25	1225
FEB.	27	0.291	0.46	26	0.92	9*	22	1.41	9*	1455
MARCH	29	0.175	0.42	2*	0.85	2*	8	0.97	2*	605
APRIL	30	0.099	0.24	5	0.66	5	7	0.99	5	810
MAY	31	0.090	0.26	3	0.73	3	7	0.90	3	725
JUNE	29	0.065	0.17	19	0.46	27	3	1.07	27	845
JULY	24	0.047	0.18	1	0.76	1	8	1.36	1	830
AUG.	23	0.059	0.18	23	0.58	23	10	0.75	23	1050
SEPT.	30	0.054	0.14	30	0.45	18	9	0.65	18	955
OCT.	31	0.084	0.19	30	0.45	1	6	0.62	1	645
NOV.	30	0.168	0.36	19	0.88	24#	12	1.21	19	1045
DEC.	30	0.349	0.79	31	1.12	31	1	1.37	31	1230
YEAR	344	0.150	0.79		1.36			1.61		

A : AVERAGE NOT CALCULATED BECAUSE OF INSUFFICIENT OR POORLY DISTRIBUTED DATA
* : INDICATES SATURDAY
# : INDICATES SUNDAY

Table 1-2 (continued). CHICAGO, 1963

HYDROCARBON

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	17	3.00	3.8	21	4.8	21	10	7.0	9	1550
FEB.	15	A	3.6	15	5.2	12	7	11.0	19	5
MARCH	28	3.61	4.7	3#	7.8	27	21	14.0	30*	200
APRIL	29	2.86	4.0	1	5.3	1	13	9.0	11	2255
MAY	31	3.26	4.3	6	8.3	6	23	19.0	6	2305
JUNE	30	4.00	5.7	3	12.0	26	22	14.0	26	2240
JULY	25	3.22	4.3	5	6.9	5	6	11.0	8	2225
AUG.	29	3.32	5.8	24*	10.9	24*	16	14.0	5	2345
SEPT.	30	2.27	4.7	26	8.3	26	7	12.0	26	2225
OCT.	31	3.48	5.1	26*	8.8	30	0	19.0	14	2025
NOV.	27	3.05	4.9	7	7.8	7	8	10.0	8	735
DEC.	31	2.89	4.4	31	7.3	31	22	16.0	31	2210
YEAR	323	3.18	5.8		12.0			19.0		

TOTAL OXIDANT

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	14	A	0.00	0	0.01	23	15	0.01	23	1420
FEB.	10	A	0.00	3#	0.01	3#	18	0.02	3#	1745
MARCH	24	0.000	0.00	22	0.01	22	12	0.03	22	1340
APRIL	22	0.001	0.00	21#	0.01	8	3	0.02	8	305
MAY	0	A								
JUNE	15	A	0.03	3	0.18	3	12	0.24	3	1245
JULY	23	0.010	0.03	10	0.21	18	10	0.24	18	1040
AUG.	30	0.005	0.01	11#	0.03	20	12	0.06	20	1205
SEPT.	29	0.007	0.02	14*	0.11	9	11	0.17	9	1135
OCT.	24	0.006	0.01	5*	0.04	10	12	0.05	10	1220
NOV.	9	A	0.01	11	0.03	11	13	0.03	11	1050
DEC.	0	A								
YEAR	200	0.005	0.03		0.21			0.24		

A : AVERAGE NOT CALCULATED BECAUSE OF INSUFFICIENT OR POORLY DISTRIBUTED DATA
* : INDICATES SATURDAY
# : INDICATES SUNDAY

SECTION 2.
FREQUENCY DISTRIBUTION
OF POLLUTANT CONCENTRATIONS

Table 2-1. CHICAGO FREQUENCY DISTRIBUTION OF CONCENTRATIONS OF GASEOUS ATMOSPHERIC POLLUTANTS
(5-MINUTE DATA VALUES)

(CONCENTRATION IN PPM)

	% VALID DATA	FREQUENCY DISTRIBUTION-PERCENT									ARITH MEAN
		MIN	10	30	50	70	90	95	98	99	MAX	
1962												
CARBON MONOXIDE	61	0	1	3	5	8	13	17	22	25	49	6.3
NITRIC OXIDE	80	.00	.02	.05	.09	.13	.20	.24	.30	.36	.66	.103
NITROGEN DIOXIDE	78	.00	.02	.03	.04	.05	.07	.08	.11	.13	.26	.042
SULFUR DIOXIDE	75	.00	.02	.04	.07	.13	.26	.35	.47	.54	1.64	.113
HYDROCARBON	75	.0	2.0	3.0	3.0	4.0	5.0	6.0	7.0	7.0	17.0	3.23
TOTAL OXIDANT	66	.00	.00	.00	.00	.00	.01	.01	.02	.03	.16	.002
1963												
CARBON MONOXIDE	44	0	3	5	7	10	15	18	22	25	50	8.1
NITRIC OXIDE	82	.00	.03	.06	.08	.12	.18	.22	.27	.33	.56	.096
NITROGEN DIOXIDE	83	.00	.02	.03	.04	.05	.06	.08	.10	.12	.23	.041
SULFUR DIOXIDE	90	.00	.01	.04	.09	.18	.37	.48	.65	.77	1.94	.151
HYDROCARBON	86	.0	2.0	3.0	3.0	4.0	5.0	5.0	6.0	7.0	19.0	3.18
TOTAL OXIDANT	51	.00	.00	.00	.00	.00	.01	.02	.03	.04	.24	.004

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Table 2-2. 1963 FREQUENCY DISTRIBUTION OF SOILING INDEX

2-HOUR MEASUREMENTS

(CONCENTRATION IN COHS/1000 LIN. FT.)

CITY	VALID DATA*	FREQUENCY DISTRIBUTION-PERCENT										ARITH MEAN
		MIN	10	30	50	70	90	95	98	99	MAX	
CHICAGO	75	.0	.7	1.2	1.7	2.4	3.5	4.3	5.2	5.7	7.1	1.98

* REPORTED TO NEAREST FIVE PERCENT

VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

SECTION 3.
POLLUTANT CONCENTRATION
DATA TABLES

GASEOUS POLLUTANT DATA TABLES

GASEOUS POLLUTANTS

The first 139 tables present hourly average concentration by month for each of the six gaseous pollutants. Values in these tables are the arithmetic means of the instantaneous values recorded every five minutes in the clock hour indicated. An average is not calculated if the hour is considered an invalid data hour, i.e., if fewer than seven 5-minute values were valid. Similarly, if a calendar day had fewer than 13 valid hourly averages, the data that are thus lost are usually concentrated at the beginning or end of the day. Since pollutant concentrations show considerable diurnal variation, the inclusion of data for such days would introduce a definite bias into the monthly mean concentrations. There are no data through March 1962 for carbon monoxide and through February 1962 for hydrocarbons, because the machines were not yet operating during those periods.

The first summary line at the bottom of the tables (titled MEAN) contains the arithmetic means of the hourly averages, and hence represents the pattern of diurnal variation for the month. Again by the same validity criterion, this average is not calculated unless 16 or more hourly averages are present. The second and third summary lines are the number of and maximum of the hourly averages in the column.

The first summary column at the right of the tables (titled DAILY MEAN) is the arithmetic mean* of the 13 or more hourly averages comprising the row, and the second is the number of such valid hourly averages. The third summary column, however, is not the maximum hourly average for the day, but the maximum 5-minute value included in the hours of valid data during the day.

Four summary figures appear in the lower right corner. The upper left is the monthly average, an arithmetic mean, and appears only if 16 or more days were valid (a valid data month). The center number is the total number of valid hours included in the table, which offers some basis for judging the representativeness of the monthly average. The lower left summary number is the maximum daily average from the column above. The lower right number is the maximum 5-minute value from the column above.

SOILING INDEX

The last 12 tables present soiling index values at the CAMP station by month for Chicago during 1963. There is no data for 1962 because it was not collected during that year. Each value was obtained from a 2-hour integrated sample beginning at the time indicated in the column heading. A missing value indicated that the sample was not taken or was invalid because of instrument malfunction.

*The summary calculations are performed before the hourly averages are rounded.

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The first summary line (titled MONTHLY MEAN) represents the arithmetic mean of the 2-hour average values in the column, and is calculated only if 16 or more days are represented. The first summary column (titled DAILY MEAN) is the arithmetic mean of the 2-hour values for the day; if fewer than seven such values are present, the daily mean is not calculated, and the data are not included in the summaries, but the component 2-hour values for the day are not deleted from the table as is done with the data on gaseous pollutants.

The other summary columns and rows are the number of and maximum of the respective 2-hour values. Four summary figures appear in the lower right corner; the mean and maximum value for the month are the upper left and lower right figures respectively, while the center figure is the total number of values. The lower left summary number is the maximum daily average from the column above.

1962

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-1.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

CHICAGO, ILL.

CARBON MONOXIDE
APRIL 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
10	6	5	5	5	5	5	7	9	10	10	10	12	13	11	13	13	12	13	10	9	8	8	9	7	8.9	24	17
11	6	5	5	5	5	6	8	11	11	11	10	10	11	12	14	14	18	15	13	9	7	6	7	6	9.4	24	30
12	6	4	3	3	4	4	7	9	8	8	10	11	12	11	13	14	12	10	11	8	7	9	7	6	8.2	24	21
13	5	4	4	4	4	4	6	7	9	8	7	8	7	8	10			1	0	0	0	0	0	0	4.3	22	17
14*	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2	3	5	5	4	3	8	2	3	4	1.7	24	16
15*	3	2	1	1	1	1	2	2	3	3	3	3	5	8	11	10	11	10	6	7	6	5	5	5	4.7	24	22
16	4	3	4	4	4	4	9	10	10	9	8	9	9	7	9	10	11	11	9	7	6	5	4	6	7.1	24	18
17	7	6	5	4	4	4	6	7	8	7	6	6	6	6	7	9	9	9	8	7	7	6	5	5	6.4	24	10
18	5	5	4	3	3	4	6	9	11	12	9	8	9	10	11	8	8	10	15	11	8	6	5	5	7.6	24	17
19	4	4	3	2	2	2	4	6	7	8	7	7	7	7	9	8	9	10	9	6	5	4	4	4	5.7	24	10
20	3	2	2	2	2	2	3	5	4	4	5	6	7	7	9	12	13	10	7	6	6	4	5	4	5.3	24	15
21*	2	2	2	2	2	1	2	2	2	3	3	4	5	6	7	8	8	8	7	7	8	7	4	3	4.3	24	9
22*	3	2	2	2	1	1	2	1	1	2	2	2	2	4	4	4	4	2	2	7	11	9	3	2	3.1	24	12
23	1	1	0	0	0	0	2	5	6	7	6	4	4	3	2	3	3	4	3	3	4	6	7	6	3.4	24	8
24	5	3	1	0	0	0	0	2	3	3	3	2	2	1	1										1.8	15	6
25																											
26																											
27																											
28*																											
29*																											
30																											
MEAN	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	13	13	14	14	14	14	14	14	14			
NO.	7	6	5	5	5	6	9	11	11	12	10	12	13	12	14	14	18	15	15	11	11	9	9	7	9.4	349	
MAX.																											30

* Indicates Saturday or Sunday
Local standard time used

TABULATED NOV.. JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-2.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
MAY 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS.	5-MIN MAX
1																											
2																											
3																											
4																											
5*																											
6*																											
7																											
8																											
9	0	0	0	0	0	2	6	5	4	3	4	4	4	6				4	4	4	2	2	2	1	2.6	21	12
10	0	0	0	0	0	1	2	1	2		5	3	1	5	7	3	5	4	2	6	6	5	1	1	2.5	23	18
11	0	0	0	0	0	3	5	6	6	5	7	5	3	6	10	10	9	6	5	7	5	3	2	4	4.5	24	19
12*	2	2	1	0	0	1	3				3	3	5	8	7	7	9	11	10	9	4	1			4.4	19	19
13*																											
14																											
15																											
16	0	0	0	0	0	1	2	1	1	1	1	2	7	4	6	7	4	5	3	2	9	7	1	0	2.6	24	23
17	0	0	0	0	1	5	7	5	4	1	1	1	1	1	2	4	4	3	2	4	3	2	1	2	2.1	24	13
18	1	1	1	1	2	2	5	7	4	5	8	8	10				6	4	3	6	7	6	8	4	4.7	21	19
19*	2	1	1	1	1	2		1		1	1	1	1	1	1	1	1	1	3	4	3	1	1	1	1.3	22	8
20*																											
21		0	0	0	1	4	8	10	8	7	7	4	5	8	8	9	8	7	5	6	5	4	5	4	5.4	23	22
22																											
23																											
24																											
25																											
26*																											
27*																											
28																											
29																											
30																											
31																											
MEAN	8	9	9	9	9	9	8	8	7	7	9	9	9	8	7	7	8	9	9	9	9	9	8	8		201	
NO.	2	2	1	1	2	5	8	10	8	7	8	8	10	8	10	10	9	11	10	9	9	7	8	4	5.4		23
MAX.																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-3.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
JUNE 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1																											
2*																											
3*																											
4																											
5																											
6																											
7																											
8																											
9*																											
10*																											
11																											
12																											
13	8	7	7	5	7	15	21	24	17	15	15	12	15	19	20	22	21	21	15	18	16	18	14	12	15.1	24	37
14	10	7	8	7	11	18	25	22	15	19	18	20	17	19	20	21	23	18	24	14	18	28	22	13	17.4	24	43
15	13	11	11	10	10	13	17	18	20	23	16	11	14	15	17	17	12	16	21	20	17	17	13	9	14.9	24	39
16*	6	5	5	5	6	6	7	7	6	8	6	6	6	7	6	7	7	7	7	9	11	7	6	4	6.5	24	18
17*	4	4	3	3	3	3	3	3	2	2	3	4	5	6	6	6	6	6	4	6	8	8	7	5	4.6	24	18
18	2	1	1	1	3	5	5	5	3								1	1	0	1	0	1	1	0	1.8	17	12
19	0	0	0	0	1	3	8	6		13	10	5	7	13	13	11	10	4	7	2	2	5	7	5	5.8	23	28
20	1	2	0	0	1	2	4	5	9	9	6	6	10	9	12	15	12	9	11	5	5	4	5	1	5.8	24	36
21	0	0	0	0	0	4	8	13	6	3	1	1	4				22	14	11	6	7	5	5	1	5.3	21	38
22	3	2	1	1	1	3	5	3	3	1	2	6	4	7	14	20	24	11	13	7	7	10	13	9	7.1	24	40
23*	8	4	1	0	1	0	1	4	3	4	5	5	5	2	2	4	8	14	7	3	0	0	3	5	3.7	24	23
24*	2	0	2	0	0	0	0	0	3	4	6	7	7	10	11	9	13	11	8	8	8	9	9	4	5.5	24	21
25	1	1	0	0	1	2	6	4	8	11	12	7	6	7	9	10	9	7	7	3	6	4	2	1	5.1	24	21
26	0	0	0	0	1	5	9	13		9	7	11	14	18			7	7	5	4	4	5	7	4	6.2	21	26
27	0	0	0	0	2	8	11	6	4	7	10	10	9	11	14	17	16	15	12	12	7	9	6	3	7.9	24	29
28	1	0	0	1	2	3	10	8	5	10	5						11	7	14	10	7	4	1	3	5.4	19	26
29	3	0	0	0	0	2	4	6	4	4	4	3	3	6	6	7	7	5	5	10	15	13	12	7	5.2	24	34
30*	4	3	2	0	0	2	9	8	6	5	7	9	11	10	13	13	10	6	13	13	12	10	7	7	7.5	24	27
MEAN	4	3	2	2	3	5	8	9	7	9	8	8	9				12	10	10	8	8	9	8	5	7.4		
NO.	18	18	18	18	19	18	18	18	16	17	17	16	16	15	14	14	18	18	18	18	18	18	18	19		413	
MAX.	13	11	11	10	11	18	25	24	20	23	18	20	17	19	20	22	24	21	24	20	18	28	22	13	17.4		43

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-4.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
JULY 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*																											
2																											
3																											
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24																											
25																											
26																											
27																											
28*																											
29*																											
30																											
31																											
MEAN																											
NO.																											
MAX.																									0.0		0

NO VALID DATA

* Indicates Saturday or Sunday
Local standard time used

TABULATED NOV. 1, JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-5.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
AUG. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1 2 3 4* 5*																											
6 7 8 9 10																											
11* 12* 13 14 15																											
16 17 18* 19* 20																											
21 22 23 24 25*																											
26* 27 28 29 30 31																											
MEAN NO. MAX																									0.0		0

NO VALID DATA

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-6.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

CHICAGO, ILL.

CARBON MONOXIDE
SEPT. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX.
1*																											
2*																											
3																											
4																											
5																											
6																											
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20																											
21																											
22*																											
23*																											
24																											
25																											
26																											
27																											
28																											
29*																											
30*																											
MEAN																											
NO.																											
MAX.																									0.0		0

NO VALID DATA

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-7.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

CHICAGO, ILL.

CARBON MONOXIDE
OCT. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1																											
2																											
3																											
4																											
5																											
6*																											
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24																											
25																											
26																											
27*																											
28*																											
29																											
30																											
31																											
MEAN																											
NO.																									0.0		
MAX.																											0

NO VALID DATA

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-8.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

CHICAGO, ILL.

CARBON MONOXIDE
NOV. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1																											
2																											
3*																											
4*																											
5																											
6																											
7																											
8																											
9																											
10*																											
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17*																											
18*																											
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21																											
22																											
23																											
24*																											
25*																											
26																											
27																											
28																											
29																											
30																											
MEAN																									0.0		
NO.																											
MAX.																											0

NO VALID DATA

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-9.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

CHICAGO, ILL.

CARBON MONOXIDE
DEC. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*																											
2*	11	6	5	2	2	2	3	3	4	4	4	4	6	9	14	14	19	18	23	16	15	14	12	13	9.3	24	36
3	10	5	4	5	3	5	12	16	21	20	13	6	14	15	10	11	17	14	10	11	9	8	7	8	10.5	24	34
4	5	3	2	2	3	3	8	11	10	12	9	10	10	10	9	8	12	9	7	4	4	3	4	4	6.8	24	23
5	3	2	2	2	2	3	6	8	9	9			6	7	8	9	11	11	9	8	7	8	7	6	6.5	22	26
6	4	4	3	2	3	4	8	12	13	10	10	9	8	8	10	9	12	8	7	5	5	5	5	4	7.0	24	20
7	3	2	2	2	2	2	5	8	8	7		6	4	5	6	7	8	12	10	7	9	6	5	5	5.7	23	19
8*	4	3	2	3	2	2	3	4	4	4	4	5	6	5	4	5	5	4	5	5	4	4	4	6	4.1	24	15
9*	4	3	2	2	2	2	2	3	3	4	4	4	5	5	5	5	6	5	5	5	3	3	5	4	3.6	24	12
10	3	2	2	2	2	2	6	7	7	8			5	5	7	8	12	15	11	9	8	9	8	6	6.5	22	33
11	6	5	4	4	4	5	7	10	11		8	8	7	7	7	8	9	8	8	8	7	6	5	4	6.7	23	20
12	4	3	2	2	2	1	1	4	9	7		6	6	5	7	7	8	7	5	4	4	3	3	3	4.5	23	14
13	3	2	2	2	2	2	3	6	5	5	5	4	5	5	7	10	10	10	9	8	8	6	6	5	5.4	24	18
14	3	2	2	1	2	3	5	10	11	10	11	10	13	11	11	13	10	11	9	10	11	8	6	5	7.7	24	25
15*	3	3	2	2	2	2	3	5	5	5	6			7	12	11	11	8	15	12	16	14	12	11	7.6	22	31
16*	9	7	5	4	2	3	3	3	3	4	5	6	5	6	7	8	8	7	7	8	5	3	3	3	5.0	24	16
17	2	2	2	2	2	3	4	9	13	14	16	17	13	14	23	26	32	19	17	17	16	26	14	12	13.2	24	49
18	8	5	4	4	4	4	10	9	8	7		13	7	8				19	23	14	12	9	8	8	9.1	20	28
19	7	6	6	6	6	7	9	15	18	14	15	16	15	15			11	13	10	14	17	10	7	6	10.9	22	26
20	4	4	4	3	3	3	6	10	10	12	10	9	8	10	12	11	12	10	8	8	9	7	7	6	7.7	24	21
21	5	3	3	3	3	3	6	8	9	9	11	11	10	13	14	17	18	18	11	9	9	8	8	7	8.8	24	37
22*	5	4	4	4	4	4	5	8	8	6			8	7	8	7	5	4	4	3	4	4	3	3	5.1	22	13
23*	3	2	2	2	2	2	2	3	3	3	3	3	3	4	5	5	4	5	5	7	7	6	5	5	3.8	24	12
24	5	4	3	3	4	4	5	7	11	14	11	10			8	10	11	13	11	8	9	9	7	8	7.9	22	23
25	6	5	6	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	4	4	5	5	4.3	24	10
26	4	3	3	3	3	4	5	8	8			6					10	9	8	7	5	6	6	5	5.6	18	16
27	5	4	3	3	3	3	4	6	6	6	6	7	7	7	8	7	8	8	6	4	4	4	3	4	5.2	24	16
28	4	3	3	3	3	3	5	7	7			10	7	8	10	10	12	11	8	8	9	7	5	6	6.7	22	18
29*	4	3	3	3	3	3	4	6	6	8	8	9	7	6		7	8	6	5	6	6	6	7	7	5.6	23	12
30*	5	4	4	4	3	3	3	3	3	3	4	5	7	8	8	7	10	11	8	8	8	12	9	10	6.2	24	23
31	5	2	2	2	2	2	3	4	4	5		6	5	7	6	7	8	5	3	4	5	5	4	5	4.4	23	20
MEAN	5	4	3	3	3	3	5	7	8	8	8	8	7	8	9	9	11	10	9	8	8	7	6	6	6.7		
NO	30	30	30	30	30	30	30	30	30	27	21	26	27	28	26	27	29	30	30	30	30	30	30	30		691	
MAX	11	7	6	6	6	7	12	16	21	20	16	17	15	15	23	26	32	19	23	17	17	26	14	13	13.2		49

* Indicates Saturday or Sunday
Local standard time used

TABULATED

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-10.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
JAN. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.10	.13	.15	.14	.12	.08	.07	.08	.08	.07	.08	.06	.10	.08		.07	.09	.07	.09	.08	.07	.06	.09	.09	.088	23	.17
2	.06	.05	.04	.04	.04	.04	.08	.13	.14			.08	.11	.11			.12	.14	.12	.14	.14	.13	.12	.10	.096	20	.17
3	.07	.07	.03	.03	.03	.03	.05	.08	.09	.17	.14	.13	.13	.14		.13	.13	.16	.12	.15	.10	.08	.08	.08	.095	23	.20
4	.07	.07	.06	.05	.07	.06	.09	.14	.19	.30	.26	.18	.17	.23		.18	.19	.15	.14	.11	.15	.12	.15	.12	.140	23	.32
5	.13	.09	.06	.04	.05	.05	.07	.11	.12	.17	.21	.28	.21	.23		.15	.17	.15	.12	.09	.09	.10	.09	.09	.124	23	.31
6*	.08	.06	.04	.03	.03	.02	.03	.05	.07	.08	.10	.10	.10	.11			.12	.11	.13	.13	.10	.05	.03	.03	.072	22	.15
7*	.02	.01	.02	.02	.01	.01	.01	.02	.02	.03	.02	.03	.03												.019	13	.03
8																											
9	.03	.02	.02	.02	.01	.01	.02	.01	.03	.03	.04	.03	.02	.02			.10	.10	.09	.07	.08	.08	.07	.06	.043	22	.11
10	.05	.04	.04	.04	.02	.02	.03	.06	.08	.07				.10		.06	.13	.20	.18	.15	.12	.08	.08	.08	.082	20	.29
11	.07	.06	.06	.03	.03	.04	.05	.05	.07	.08	.06					.06	.12	.14	.11	.08	.10	.10	.10	.09	.074	20	.16
12	.06	.05	.04	.04	.05	.04	.05	.06	.07	.06	.05	.10	.14	.14	.12			.20	.14	.10	.10	.07	.08	.07	.083	22	.22
13*	.08	.09	.05	.04	.04	.04	.03	.04	.04	.04	.03	.11	.11	.09		.03									.057	15	.12
14*																											
15	.10	.08	.05	.04	.03	.05	.07	.10	.09	.09	.18	.19	.12	.09		.06	.11	.11	.08	.08	.08	.07	.06	.08	.087	23	.21
16	.11	.05	.04	.03	.03	.06	.09	.10	.09	.10		.06	.11	.09		.06	.11	.13	.10	.09	.09	.07	.06	.06	.079	22	.16
17	.05	.05	.04	.03	.04	.06	.08	.14	.12	.12	.17	.20	.16	.17			.18	.14	.12	.11	.09	.10	.08	.08	.106	22	.21
18	.08	.04	.04	.03	.02	.03	.05	.08	.10	.17	.29	.21	.22	.21			.21	.22	.20	.26	.22	.16	.14	.12	.139	22	.33
19	.09	.07	.04	.02			.02	.04	.06	.03	.11	.11	.10	.10	.14	.15	.16	.15	.12	.10	.17	.18	.15	.14	.101	22	.22
20*	.11	.10	.08			.05	.06	.08	.09	.11				.22	.22	.25	.22	.14	.19	.12	.12	.10	.09	.07	.126	19	.30
21*	.08	.06	.05		.00	.01	.01	.02	.01	.01	.02	.02	.01	.00											.022	13	.10
22																											
23	.05	.04	.04			.03	.07	.08	.09	.12	.14	.18	.12	.12	.12	.13	.18	.22	.20	.12	.11	.11	.10	.11	.111	22	.25
24	.09	.07	.06			.03	.05	.10	.10	.11				.09	.08	.07	.10	.14	.14	.12	.12	.07	.06	.06	.088	19	.17
25	.05	.04	.03		.03	.04	.07	.14	.14	.23	.33	.31	.21	.16	.14	.13	.17	.11	.06	.05	.10	.09	.07	.07	.120	23	.36
26	.06	.05	.03			.04	.04	.08	.08	.14	.36	.18	.13	.13	.14	.12	.14	.18	.18	.16	.18	.16	.14	.14	.130	22	.43
27*	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12	.12												.120	13	.12
28*																											
29																											
30																											
31																											
MEAN	.08	.06	.05	.04	.04	.04	.05	.08	.09	.11	.14	.13	.12	.13			.14	.15	.13	.11	.12	.10	.09	.09	.094		
NO.	24	24	24	18	19	23	24	24	24	23	19	20	20	21	7	15	19	20	20	20	20	20	20	20		488	
MAX.	.13	.13	.15	.14	.12	.12	.12	.14	.19	.30	.36	.31	.22	.23	.22	.25	.22	.22	.20	.26	.22	.16	.15	.14	.140		.43

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-11.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

CHICAGO, ILL.

NITRIC OXIDE
FEB. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1																											
2																											
3*																											
4*																											
5																											
6																											
7																											
8																											
9																											
10*																											
11*																											
12																											
13																											
14																											
15																											
16																											
17*																											
18*																											
19																											
20																											
21																											
22																											
23																											
24*																											
25*																											
26																											
27																											
28																											
MEAN																									.000		.00
NO.																											
MAX.																											

NO VALID DATA

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-12.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
MARCH 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1																											
2																											
3*																											
4*																											
5																											
6																											
7																											
8																											
9																											
10*																											
11*																											
12	.05	.03	.01	.02	.03	.03	.05	.05	.06	.05	.05	.05	.04	.05	.05		.06	.06	.03	.04	.04	.04	.04	.03	.041	23	.07
13	.03	.01	.01	.00	.01	.02	.03	.05	.07	.06	.05	.04	.04	.05	.05		.06	.08	.06	.05	.05	.04	.05	.04	.041	23	.08
14	.03	.03	.02	.01	.01	.02	.04	.07	.07	.08	.06	.06	.04	.04	.04		.06	.06	.05	.05	.04	.05	.04	.03	.042	23	.08
15	.02	.01	.01	.02	.01	.02	.03	.04	.02	.04	.06	.06	.04	.05	.05		.05	.07	.05	.05	.05	.05	.06	.06	.040	23	.09
16	.03	.02	.02	.01	.02	.04	.07	.07	.07	.07	.06	.06	.06	.06	.05		.05	.05	.04	.04	.04	.05	.04		.046	22	.08
17*												.06	.04	.05	.03		.02	.03	.03	.04	.03	.03	.03	.02	.032	13	.07
18*	.02											.04	.04	.05	.03		.02	.03	.03	.04	.03	.03	.03	.02	.032	13	.07
19																											
20	.04	.03	.02	.02	.02	.05	.10	.12	.10	.07	.05	.07	.08	.09	.12		.09	.10	.07	.07	.05	.05	.04	.03	.064	23	.13
21	.02	.01	.00	.00	.01	.01	.04	.06	.07	.08	.10	.09	.09	.08	.10		.11	.12	.11	.09	.07	.07	.09	.08	.065	23	.13
22	.06	.04	.03	.02	.03	.04	.11	.12	.13	.14	.10	.08	.08	.07	.11		.10	.11	.13	.16	.16	.14	.14	.13	.095	23	.18
23	.09	.05	.03	.03	.03	.04	.09	.17	.14	.08	.06	.05	.05	.06	.07		.08	.11	.14	.13	.11	.10	.10	.09	.082	23	.20
24*	.09	.06	.04	.04	.04	.04	.05	.08	.08	.08	.08	.07	.09	.09	.09		.08	.09	.07	.08	.07	.06	.06	.08	.070	23	.11
25*	.07	.07	.06	.04	.02	.02	.02	.04	.03	.02	.02	.03	.05	.06	.05			.05	.05	.06	.05	.05	.04	.04	.042	22	.08
26	.03	.02	.01	.02	.03	.02	.06	.08	.07	.06	.03	.00	.00	.00	.05		.05	.05	.04	.04	.04	.05	.05	.07	.037	23	.10
27	.06	.05	.02	.03	.03	.02	.02	.03	.02	.01	.01	.01	.02	.02	.02		.01	.02	.03	.05	.04	.02	.02	.01	.024	23	.07
28	.01	.00	.00	.00	.00	.00	.00	.00	.01			.02	.03	.01	.00		.02	.04	.04	.03	.04	.04	.03	.04	.016	21	.05
29	.05	.04	.01	.01	.01	.05	.11	.08	.21	.26	.15	.16	.14	.22	.19		.16	.14	.10	.09	.10	.08	.07	.05	.107	23	.32
30	.03	.02	.01	.01	.01	.02	.07	.09	.10										.10	.14	.18	.11	.12	.13	.076	15	.22
31*	.06	.06	.05	.05	.05	.03	.06	.07	.06	.06	.06	.08	.10	.10	.10		.13	.16	.15	.16	.14	.10	.11	.16	.091	23	.18
MEAN	.04	.03	.02	.02	.02	.03	.06	.07	.08			.06	.06	.06	.07		.07	.08	.07	.07	.07	.06	.06	.06	.057		
NO	18	17	17	17	17	17	17	17	17	15	15	17	17	17	17		16	17	18	18	18	18	18	17		392	
MAX	.09	.07	.06	.05	.05	.05	.11	.17	.21	.26	.15	.16	.14	.22	.19		.16	.16	.15	.16	.18	.14	.14	.16	.107		.32

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-13.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
APRIL 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	.16	.12	.09	.04	.02	.01	.02	.02	.05	.05	.05	.06	.07	.10	.12		.13	.15	.16	.17	.17	.17	.16	.14	.097	23	.21
2	.09	.06	.05	.03	.05	.06	.14	.20	.20	.19	.13	.12	.12	.08	.12		.09	.09	.08	.06	.06	.13	.20	.17	.108	23	.24
3	.16	.13	.13	.10	.10	.11	.19	.27	.23	.10	.09	.09	.06	.05	.06		.07	.08	.09	.08	.09	.10	.13	.13	.114	23	.30
4	.09	.08	.04	.03	.03	.04	.07	.10	.12	.09	.09	.08	.06	.07	.07		.06	.08	.09	.06	.07	.06	.07	.04	.069	23	.12
5	.05	.05	.04	.03	.02	.03	.05	.05	.05	.07	.08	.10								.17	.17	.15	.10	.11	.074	17	.20
6	.09	.06	.05	.04	.05	.07	.08	.14	.15	.11	.11	.08	.06	.05	.07		.08	.09	.07	.10	.16	.16	.16	.10	.092	23	.19
7*	.07	.07	.04	.04	.02	.02	.08	.11	.12	.12	.11	.05	.07	.07	.07		.06	.09	.11	.14	.18	.12	.19	.20	.093	23	.25
8*	.08	.08	.09	.06	.08	.06	.05	.06	.04	.03	.02	.01	.01	.01	.02		.02	.03	.04	.04	.03	.03	.03	.03	.042	23	.14
9	.02	.01	.01	.01	.01	.01	.03	.06	.05	.05	.04	.04	.03	.04	.03		.04	.05	.05	.06	.06	.07	.07	.05	.039	23	.08
10	.04	.05	.02	.01	.02	.04	.07	.13	.13	.14	.12	.08	.08	.06	.07		.08	.10	.11	.13	.12	.12	.18	.11	.086	23	.21
11	.06	.04	.04	.02	.03	.05	.13	.15	.15	.12	.11	.10	.14	.15	.15		.14	.15	.16	.14	.12	.11	.12	.12	.108	23	.19
12	.10	.06	.04	.03	.04	.05	.12	.15	.12	.10	.13	.14	.20	.18	.19		.11	.11	.13	.16	.13	.19	.19	.12	.121	23	.23
13	.08	.05	.03	.02	.02	.05	.12	.15	.15	.14	.14	.14	.12	.10	.11		.09	.09	.10	.07	.08	.06	.08	.08	.089	23	.17
14*	.08	.04	.05	.03	.03	.03	.04	.05	.06	.05	.05	.05	.04	.03	.03		.12	.15	.14	.12	.16	.16	.14	.19	.079	23	.21
15*	.17	.12	.10	.05	.05	.05	.06	.07	.06	.07	.07	.07	.09	.10	.11		.14	.16	.14	.15	.14	.11	.11	.11	.100	23	.20
16	.07	.04	.04	.03	.04	.08	.22	.25	.15	.14	.10	.09	.09	.07	.09		.11	.15	.14	.14	.09	.10	.07	.14	.106	23	.31
17	.20	.17	.13	.08	.05	.07	.16	.17	.20	.13	.13	.07	.05	.05	.04		.08	.07	.07	.10	.12	.10	.09	.09	.106	23	.22
18	.10	.07	.04	.02	.03	.06	.16	.22	.20	.18	.11	.07	.08	.06	.08		.08	.11	.23	.15	.11	.10	.10	.10	.106	23	.28
19																											
20	.09	.05	.03	.03	.04	.04	.11	.15	.12	.09	.08	.07	.08	.09	.08		.10	.09	.09	.11	.16	.08	.13	.10	.086	23	.17
21*	.05	.04	.02	.03	.02	.02	.04	.05	.06	.04	.04	.03	.01	.01	.01			.02	.01	.01	.03	.02	.01	.01	.026	22	.07
22*																											
23																											
24																											
25		.03	.02	.01	.00	.01	.02	.04	.03	.01	.00	.01	.00		.04		.03	.04	.07	.08	.08	.06	.07	.04	.031	21	.09
26	.03	.02	.02	.01	.02	.03	.04	.07	.08	.06	.04	.02	.02	.01	.01		.03	.04	.04	.07	.09	.08	.07	.05	.041	23	.10
27	.05	.03	.02	.02	.03	.04	.06	.08	.08	.05	.03	.03	.02	.02	.02		.02	.03	.04	.03	.03	.05	.04	.04	.036	23	.10
28*	.03	.02	.02	.03	.03	.03	.04	.04	.05	.05	.06	.06	.08	.15	.14		.14	.16	.14	.14	.14	.13	.12	.16	.083	23	.20
29*	.18	.15	.11	.07	.08	.06	.10	.08	.09	.10	.12	.12	.15	.15	.15		.18	.25	.26	.26	.24	.18	.19	.17	.148	23	.28
30	.10	.06	.03	.03	.03	.21	.18	.13	.07	.06	.04	.03	.02	.03	.05			.22	.18	.11	.13	.20	.23	.17	.104	22	.29
MEAN	.09	.07	.05	.03	.04	.05	.09	.11	.11	.09	.08	.07	.07	.07	.08		.09	.10	.11	.11	.11	.11	.12	.11	.084		
NO	25	26	26	26	26	26	26	26	26	26	26	26	25	24	25		23	25	25	26	26	26	26	26		588	
MAX	.20	.17	.13	.10	.10	.21	.22	.27	.23	.19	.14	.14	.20	.18	.19		.18	.25	.26	.26	.24	.20	.23	.20	.148		.31

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-14.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
MAY 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX
1	.12	.08	.08	.09	.10	.22	.25	.31	.32	.21	.18	.31	.25	.29	.36		.25	.29	.29	.32	.31	.40	.42	.30	.249	23	.49
2	.23	.14	.10	.11	.10	.25	.44	.46	.45	.28	.17	.18	.24	.28			.32	.36	.20	.10	.39	.41	.28	.30	.262	22	.55
3	.17	.10	.07	.09	.14	.29	.38	.50	.58	.41	.12	.06	.04	.04		.03	.06	.09	.12	.18	.28	.35	.29	.45	.209	23	.63
4	.21	.15	.10	.09	.09	.17	.23	.28	.19	.14	.16	.07	.07	.07		.11	.19	.18	.20	.26	.20	.40	.55	.42	.196	23	.66
5*	.31	.17	.08	.05	.06	.12	.13	.13	.07	.07	.06	.04	.02	.02		.15	.11	.03	.04	.06	.08	.07	.07	.04	.085	23	.39
6*	.07	.09	.04	.01	.02	.01	.04	.05	.03	.05	.06	.07	.07	.08		.09	.11	.09	.10	.12	.14	.14	.13	.13	.074	23	.16
7	.07	.05	.03	.06	.06	.13	.19	.22	.18	.12	.14	.14	.16	.18			.21	.18	.14	.22	.11	.10	.08	.03	.126	22	.30
8	.03	.02	.02	.04	.07	.11	.14	.11	.09	.11	.13	.11	.13	.12		.15	.12	.11	.12	.11	.14	.17	.14	.10	.103	23	.22
9	.08	.06	.03	.04	.04	.15	.23	.24	.19	.16	.15	.15	.16	.12		.16	.16	.16	.16	.15	.17	.16	.18	.16	.142	23	.28
10	.05	.02	.01	.02	.02	.09	.11	.08	.08	.10	.10	.15	.10	.16		.12	.14	.22	.15	.15	.16	.26	.15	.11	.110	23	.33
11	.11	.08	.04	.05	.07	.14	.20	.24	.21	.20	.21	.21	.12	.13		.14	.18	.14	.15	.20	.18	.18	.12	.18	.151	23	.29
12*	.10	.13	.11	.04	.02	.08	.17	.18	.16	.15	.12	.11	.08	.17		.14	.17	.24	.20	.19	.16	.10	.06	.07	.126	23	.27
13*	.18	.14	.05	.06	.11	.05	.06	.04	.02	.02	.02	.01	.01	.02		.01	.01	.02	.04	.06	.10	.10	.07	.03	.053	23	.27
14	.01	.01	.01	.01	.03	.06	.09	.08	.08	.06	.05	.02	.01	.02		.01	.02	.04	.03	.08	.12	.08	.07	.05	.045	23	.14
15	.03	.02	.03	.03	.05	.08	.09	.07	.07	.05	.03	.02	.03	.03		.05	.03	.03	.04	.10	.09	.08	.08	.06	.050	23	.12
16	.03	.02	.03	.01	.03	.05	.10	.11	.08	.06	.04	.02	.07	.08		.06	.03	.03	.05	.05	.09	.28	.13	.06	.065	23	.34
17	.02	.03	.02	.02	.07	.15	.28	.19	.08	.04	.02	.01	.02	.02		.01	.02	.02	.02	.07	.09	.06	.04	.05	.058	23	.40
18	.09	.02	.01	.01	.05	.12	.10	.10	.04	.05	.08	.04	.10	.14		.07	.09	.05	.05	.06	.15	.17	.22	.12	.083	23	.30
19*	.09	.06	.03	.03	.04	.04	.09	.08	.04	.04	.02	.01	.01	.01		.02	.02	.02	.04	.07	.08	.06	.03	.02	.041	23	.11
20*	.02	.01	.03	.01	.01	.02	.02	.01	.01	.02	.01	.01	.01	.01		.07	.12	.14	.13	.16	.17	.14	.11	.09	.057	23	.19
21	.06	.04	.04	.05	.07	.15	.20	.23	.21	.19	.17	.16	.15	.14			.18	.13	.12	.15	.17	.18	.18	.15	.141	22	.26
22	.10	.05	.04	.05	.04	.12	.10	.11	.06	.04	.05	.05	.03	.03		.03	.04	.01	.01	.02	.02	.02	.02	.02	.045	23	.17
23	.01	.01	.01	.01	.02	.04	.06	.05	.02	.02	.03	.02	.02	.02		.03	.02	.02	.01	.02	.02	.02	.02	.02	.022	23	.08
24	.01	.01	.00	.01	.01	.03	.04	.05	.04	.03	.03	.03	.02	.03		.04	.04	.04	.04	.06	.07	.08	.09	.09	.039	23	.10
25	.08	.11	.11	.11	.12	.14	.19	.20	.20	.16	.14	.11	.09	.06		.18	.18	.14	.16	.17	.16	.17	.15	.11	.140	23	.26
26*	.11	.09	.04	.03	.03	.06	.11	.13	.13	.09	.13	.15	.13	.11		.11	.13	.11	.12	.13	.14	.14	.18	.17	.112	23	.22
27*	.14	.08	.07	.04	.03	.04	.05	.06	.08	.09	.09	.10	.17	.22		.15	.17	.18	.17	.17	.16	.19	.16	.14	.120	23	.26
28	.10	.06	.04	.05	.05	.19	.20	.17	.11	.10	.06	.05	.03	.02		.07	.04	.04	.05	.11	.10	.05	.07	.06	.079	23	.29
29	.02	.01	.01	.01	.01	.03	.05	.06	.05	.04	.03	.03	.03	.02		.02	.05	.02	.03	.05	.03	.05	.04	.04	.030	23	.10
30	.03	.02	.02	.02	.01	.02	.02	.02	.02	.02	.02	.02	.01	.01		.01	.01	.02	.01	.02	.02	.03	.03	.03	.019	23	.04
31	.02	.01	.00	.01	.02	.03	.05	.06	.04	.05	.04	.02	.02	.02		.02	.02	.02	.02	.02	.02	.05	.07	.08	.029	23	.11
MEAN	.09	.06	.04	.04	.05	.10	.14	.15	.13	.10	.08	.08	.08	.09		.07	.10	.10	.10	.12	.13	.15	.14	.12	.098		
NO.	31	31	31	31	31	31	31	31	31	31	31	31	31	31	1	27	31	31	31	31	31	31	31	31		710	
MAX.	.31	.17	.11	.11	.14	.29	.44	.50	.58	.41	.21	.31	.25	.29	.36	.18	.32	.36	.29	.32	.39	.41	.55	.45	.262		.66

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-15.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
JUNE 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.05	.03	.01	.00	.01	.05	.06	.05	.06	.03	.04	.05	.04	.05				.06	.06	.07	.08	.09	.09	.08	.049	21	.11
2*	.06	.05	.04	.02	.01	.03	.04	.05	.07	.05	.08	.05	.05	.07		.05	.09	.10	.09	.09	.08	.10	.13	.12	.065	23	.15
3*	.10	.09	.09	.03	.01	.01	.02	.03	.03	.04	.05	.07	.09	.09		.06	.12	.12	.13	.11	.11	.13	.15	.09	.077	23	.18
4	.05	.03	.02	.02	.04	.05	.12	.08	.08					.05			.11	.12	.09	.09	.13	.12	.11	.07	.075	18	.17
5	.06	.07	.05	.05	.05	.12	.23	.13	.10			.08	.08	.08	.06		.13	.16	.11	.13	.13	.16	.18	.09	.107	21	.29
6	.06	.05	.03	.03	.06	.15	.19	.19			.14	.11	.17	.18		.11	.16	.14	.13	.16	.18	.21	.17	.14	.130	21	.26
7	.10	.08	.05	.04	.06	.20	.27	.20	.16	.13	.11	.07	.08	.12		.24	.21	.19	.19	.16	.15	.14	.16	.14	.141	23	.31
8	.09	.06	.05	.05	.07	.21	.26	.25	.16	.13	.09	.08	.07	.08		.05	.07	.08	.03	.08	.12	.16	.10	.08	.104	23	.31
9*	.02	.02	.03	.03	.02	.06	.04	.07	.06	.02	.03	.02	.02	.02		.06	.05	.04	.11	.13	.16	.25	.19	.12	.068	23	.36
10*	.08	.06	.04	.02	.05	.04	.05	.06	.04	.06	.03	.03	.03	.03		.03	.02	.02	.03	.02	.03	.06	.05	.04	.038	23	.10
11	.04	.02	.02	.04	.07	.12	.09	.06	.04	.04	.02	.03	.07	.11		.11	.13	.15	.14	.13	.12	.16	.12	.07	.081	23	.17
12	.04	.02	.02	.03	.03	.13	.16	.12		.09	.09	.08	.09	.13		.11	.13	.12	.13	.13	.14	.18	.23	.18	.107	22	.28
13	.13	.12	.07	.06	.08	.17	.20	.23	.18	.15	.13	.13	.12	.14		.16	.17	.17	.17	.19	.20	.24	.21	.17	.155	23	.28
14	.17	.10	.09	.09	.12	.20	.26	.20	.16	.14	.13	.16	.10	.11		.12	.15	.11	.14	.10	.12	.23	.28	.17	.147	23	.37
15	.16	.16	.17	.12	.10	.14	.17	.12	.15	.16	.07	.00				.01	.01	.04	.06	.16	.11	.14	.12	.05	.105	21	.21
16*	.03	.01	.01	.01	.02	.04	.06	.03	.05	.02	.02	.02	.01	.01		.01	.01	.01	.01	.02	.03	.06	.04	.03	.024	23	.08
17*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.01	.01	.00	.01	.03	.03	.04	.07	.05	.011	23	.08
18	.02	.03	.02	.02	.04	.07	.09	.04	.03	.02	.01	.01	.00	.00			.00	.00	.00	.02	.01	.02	.03	.04	.023	22	.12
19	.03	.01	.00	.01	.02	.07	.12	.12		.14	.11	.10	.07	.08		.09	.09	.07	.10	.07	.02	.10	.20	.18	.081	22	.25
20	.12	.10	.05	.04	.04	.09	.12	.06	.08	.04	.05	.03	.06	.05		.10	.10	.11	.13	.11	.10	.12	.13	.10	.083	23	.18
21	.06	.04	.02	.01	.03	.08	.14	.22	.17	.07	.06	.05	.06	.07		.04	.11	.11	.08	.08	.09	.05	.07	.04	.075	23	.27
22	.08	.09	.09	.09	.09	.12	.09	.08	.02	.01	.01	.00	.00	.01		.07	.14	.18	.17	.13	.13	.20	.29	.26	.101	23	.37
23*	.24	.19	.10	.06	.03	.07	.05	.18	.13	.13	.07	.08	.03	.01		.02	.04	.11	.14	.04	.03	.06	.08	.09	.086	23	.28
24*	.08	.05	.04	.01	.06	.07	.03	.04	.05	.04	.04	.05	.05	.05		.06	.10	.08	.07	.11	.11	.10	.12	.13	.066	23	.18
25	.10	.10	.09	.08	.09	.10	.14	.09	.03	.04	.02	.01	.00	.00		.01	.00	.05	.06	.09	.10	.10	.11	.09	.063	23	.19
26	.05	.04	.02	.02	.04	.14	.19	.19		.12	.08	.09	.10	.13		.09	.08	.11	.11	.11	.14	.17	.18	.14	.105	22	.25
27	.09	.05	.02	.02	.06	.18	.19	.14	.09	.09	.09	.07	.05	.06		.09	.10	.12	.15	.17	.15	.16	.16	.12	.105	23	.22
28	.06	.03	.01	.02	.07	.06	.17	.11	.04	.06	.02	.00	.01	.02		.02	.02	.06	.10	.12	.09	.05	.02	.01	.050	23	.20
29	.12	.03	.01	.00	.02	.07	.09	.14	.10	.04	.00	.00	.00	.01		.00	.01	.02	.05	.05	.09	.15	.16	.13	.055	23	.18
30*	.08	.09	.11	.05	.04	.07	.11	.13	.11	.06	.04	.04				.11	.10	.09	.08	.10	.11	.14	.11	.11	.089	21	.16
MEAN	.08	.06	.04	.04	.05	.10	.12	.11	.08	.07	.06	.05	.05	.06	1	.07	.09	.09	.09	.10	.10	.13	.13	.10	.082		
NO	30	30	30	30	30	30	30	30	26	27	28	29	27	28	1	28	29	30	30	30	30	30	30	30		671	
MAX	.24	.19	.17	.12	.12	.21	.27	.25	.18	.16	.14	.16	.17	.18	.06	.24	.21	.19	.19	.19	.20	.25	.29	.26	.155		.37

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-16.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
JULY 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1*	.10	.07	.05	.03	.01	.00	.02	.03	.03	.02	.04	.03	.04	.05		.06	.06	.07	.07	.11	.16	.11	.09	.04	.056	23	.19
2							.09	.11	.08	.02	.09	.03	.01	.01				.05	.07	.11	.09	.09	.10	.07	.067	15	.14
3	.06	.03	.01	.02	.02	.07	.17	.16		.14	.12	.11	.09	.08		.07	.08	.10	.11	.10	.09	.10	.07	.08	.085	22	.19
4	.06	.03	.01	.00	.00	.00	.01	.00	.01	.02	.02	.02	.01	.02		.02	.01	.02	.07	.09	.11	.13	.14	.11	.039	23	.18
5	.02	.00	.00	.01	.03	.10	.12	.13	.08	.03	.04	.03				.06	.07	.08	.07	.09	.07	.08	.09	.07	.060	21	.17
6	.04	.02	.00	.01	.02	.11	.18	.20	.21	.15	.13	.08	.07	.10		.03	.02	.08	.12	.09	.10	.14	.14	.07	.091	23	.22
7*	.06	.04	.03	.01	.04	.13	.17	.14	.10	.08	.08	.04	.05	.02	.01					.03	.05	.00	.07	.14	.063	20	.21
8*	.07	.03	.01	.00	.00	.01	.01	.01	.01	.00	.01	.00	.01	.00		.01	.01	.02	.04	.06	.09	.12	.11	.05	.029	23	.17
9	.02	.00	.00	.02	.06	.15	.19	.15	.12	.09	.09	.08	.07	.07			.07	.08	.07	.09	.08	.08	.04	.01	.073	22	.23
10	.04	.09	.08	.05	.03	.10	.10	.09		.01	.00			.00				.03	.04	.04	.10	.11	.08	.05	.056	18	.16
11	.02	.01	.01	.03	.06	.12	.09	.08	.04	.01	.00	.00	.02	.06		.16	.10	.07	.05	.08	.06	.06	.06	.06	.054	23	.19
12	.02	.02	.02	.03	.05	.08	.15	.14	.11	.06	.04	.06	.07	.08			.05	.06	.08	.12	.13	.12	.10	.12	.077	22	.18
13	.09	.08	.08	.11	.15	.21	.24	.15	.14	.07	.05	.08	.10	.12		.12	.13	.21	.17	.19	.15	.16	.15	.13	.132	23	.26
14*	.12	.08	.04	.04	.04	.05	.11	.15	.21	.16	.15	.14	.11	.11		.13	.15	.13	.14	.13	.11	.12	.15	.19	.119	23	.27
15*	.15	.13	.07	.05	.05	.04	.05	.06	.06	.10	.11	.13	.12	.14		.14	.15	.15	.16	.15	.16	.18	.13	.13	.112	23	.20
16	.09	.05	.04	.03	.05	.13	.17	.20	.17	.16	.16	.13	.17	.14		.11	.14	.12	.16	.16	.17	.19	.19	.13	.132	23	.22
17	.09	.07	.07	.09	.12	.22	.27	.24		.18	.19	.15	.15	.14			.11	.12	.15	.18	.18	.23	.26	.25	.163	21	.30
18	.17	.16	.12	.13	.13	.22	.27	.24	.19	.15	.14	.15	.12	.12		.09	.11	.12	.17	.16	.19	.21	.28	.33	.171	23	.36
19	.27	.32	.20	.19	.33	.46	.46	.25	.11	.09	.03	.03	.05	.03		.05	.06	.05	.07	.06	.07	.09	.09	.08	.149	23	.51
20	.07	.03	.02	.03	.06	.13	.14	.14	.08	.09	.10	.10	.07	.08		.06	.04	.04	.08	.07	.09	.12	.12	.07	.079	23	.18
21*	.06	.04	.03	.03	.04	.07	.09	.09	.11	.12	.15	.16	.13	.10		.10	.07	.04	.03	.08	.17	.17	.23	.20	.099	23	.30
22*	.16	.13	.08	.03	.02	.03	.04	.05	.04	.03	.03	.04	.04	.03		.08	.15	.10	.12	.10	.08	.10	.10	.07	.070	23	.21
23	.07	.05	.03	.01	.03	.11	.20	.22	.19	.16	.13	.14	.14	.14		.10	.09								.112	16	.23
24																											
25																											
26																											
27																											
28*																											
29*																											
30																											
31																											
MEAN	.08	.07	.03	.04	.06	.11	.14	.13	.10	.08	.08	.08	.08	.07		.08	.08	.08	.10	.10	.11	.12	.13	.11	.091		
NO.	22	22	22	22	22	22	23	23	20	23	23	22	21	22	1	17	20	21	21	22	22	22	22	22		499	
MAX	.27	.32	.20	.19	.33	.46	.46	.25	.21	.18	.19	.16	.17	.14	.01	.16	.15	.21	.17	.19	.19	.23	.28	.33	.171		.51

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-17.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

CHICAGO, ILL.

NITRIC OXIDE
AUG. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS.	5-MIN. MAX.
1																											
2																											
3	.11	.07	.03	.01	.05	.09	.13	.08	.07	.04	.03	.03	.02	.01		.04	.03	.02	.03	.03	.05	.08	.07	.06	.051	23	.17
4*	.06	.06	.04	.02	.02	.02	.04	.05	.08	.07	.05	.06	.06	.06		.03	.06	.07	.09	.11	.11	.10	.11	.10	.064	23	.19
5*	.10	.08	.06	.05	.03	.02	.03	.03	.03	.02	.03	.02	.03	.03		.05	.07	.07	.08	.09	.12	.13	.16	.12	.062	23	.18
6	.05	.03	.02	.02	.04	.07	.16	.17	.15	.15	.10	.11	.10	.08		.05	.05	.03	.02	.05	.13	.20	.17	.13	.090	23	.20
7	.09	.06	.05	.06	.06	.09	.14	.11	.05	.03	.02	.02	.01	.00		.06	.07	.08	.09	.08	.10	.14	.17	.23	.077	23	.25
8	.25	.18	.11	.07	.05	.11	.23	.23	.15				.06	.03		.03	.02	.03	.06	.06	.09	.10	.11	.08	.101	20	.26
9	.05	.02	.01	.01	.02	.05	.11	.12	.08	.06	.06	.05	.07	.11			.07	.09	.07	.09	.10	.13	.12	.10	.072	22	.15
10	.07	.03	.01	.01	.01	.02	.07	.06	.05	.05	.03	.02	.02	.03		.05	.06	.08	.12	.17	.18	.19	.12	.06	.064	23	.20
11*	.03	.04	.01	.07	.13	.20	.14	.06	.05	.02	.01	.01	.01	.01		.01	.01	.01	.01	.01	.02	.03	.04	.04	.042	23	.23
12*	.03	.03	.02	.01	.01	.01	.01	.01	.02	.02	.02	.01	.01	.01		.02	.02	.04	.05	.06	.08	.09	.11	.10	.034	23	.13
13	.07	.04	.03	.02	.03	.06	.13	.15	.13	.10	.09	.08	.05	.06		.06	.06	.08	.06	.08	.07	.07	.06	.04	.070	23	.16
14	.04	.01	.00	.01	.02	.06	.12	.13	.12	.10		.11	.11	.09		.08	.07	.08	.08	.10	.10	.10	.05	.03	.072	22	.14
15	.07	.12	.08	.06	.04	.09	.11	.12	.16	.08	.03	.03	.02	.03		.03	.02	.03	.03	.06	.07	.09	.09	.06	.065	23	.21
16	.03	.01	.01	.01	.02	.06	.08	.11	.13	.13	.09	.08	.07	.07		.06	.09	.09	.11	.12	.14	.20	.23	.22	.093	23	.29
17	.10	.11	.16	.06	.04	.08	.17	.10	.06	.03	.04	.06	.07					.10	.08	.08	.08	.11	.18	.19	.094	20	.22
18*	.21	.21	.21	.18	.15	.19	.38	.37	.20	.10	.05	.03	.03	.05		.07	.11	.12	.11	.06	.05	.04	.05	.07	.131	23	.41
19*	.05	.05	.04	.03	.02	.01	.02	.02	.02	.01	.01	.01	.01	.01		.01	.01	.02	.02	.03	.04	.06	.08	.07	.028	23	.09
20	.07	.06	.04	.02	.04	.08	.17	.18	.12	.10	.08	.04	.03	.01		.02	.04	.10	.14	.15	.15	.19	.21	.19	.097	23	.22
21	.15	.09	.06	.07	.10	.15	.22	.23	.14		.07						.07	.04	.12	.14	.13	.08	.10	.04	.110	18	.26
22	.05	.09	.11	.19	.14	.12				.08	.07	.06	.05	.04		.09	.10	.10	.09	.10	.08	.06	.07	.07	.088	20	.20
23	.04	.03	.05	.05	.06	.06	.06	.09	.08	.06	.03	.03	.03	.03		.02	.02	.01	.02	.03	.03	.04	.06	.05	.040	23	.09
24	.03	.03	.03	.02	.03	.05	.07	.10	.08	.05	.03	.03	.02	.03		.02	.02	.03	.02	.04	.06	.07	.09	.07	.044	23	.11
25*	.05	.04	.03	.03	.03	.05	.08	.12	.14	.14	.14	.14	.18	.19		.13	.15	.17	.16	.16	.15	.12	.16	.17	.118	23	.19
26*	.21	.19	.14	.11	.08	.07	.08	.10	.07	.07	.05	.05	.07	.11		.10	.14	.19	.16	.17	.18	.13	.09	.16	.117	23	.22
27	.20	.18	.14	.10	.09	.13	.19	.21	.15	.07	.05	.04	.03	.02			.06	.04	.05	.05	.07	.09	.08	.08	.095	22	.21
28	.06	.05	.02	.03	.04	.07	.09	.14		.08	.04	.03	.02			.01	.02	.02	.04	.05	.07	.12	.11	.06	.055	21	.16
29	.05	.04	.02	.03	.04	.05	.13	.09	.04	.05	.04	.02	.02	.02		.02	.02	.02	.03	.04	.07	.09	.09	.09	.046	23	.16
30	.08	.06	.05	.03	.03	.07	.13	.14	.09	.03	.02	.02	.02	.02		.02	.02	.03	.03	.03	.03	.05	.05	.07	.048	23	.15
31	.07	.05	.03	.03	.03	.05	.08	.08	.07	.08	.08	.04	.04	.04		.05	.05	.05	.06	.05	.06	.08	.09	.08	.058	23	.10
MEAN	.08	.07	.05	.05	.05	.08	.12	.12	.09	.07	.05	.05	.04	.05		.04	.05	.06	.07	.08	.09	.10	.11	.10	.073		
NO	29	29	29	29	29	29	28	28	27	27	27	27	28	26		25	28	29	29	29	29	29	29	29		648	
MAX	.25	.21	.21	.19	.15	.20	.38	.37	.20	.15	.14	.14	.18	.19		.13	.15	.19	.16	.17	.18	.20	.23	.23	.131		.41

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-18.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

NITRIC OXIDE
SEPT. 1962

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

DAY OF MONTH	A M												P M												DAILY MEAN	NO. OF HRS	5-MIN MAX
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12			
1*	.09	.10	.08	.06	.06	.06	.10	.13	.11	.10	.09	.08	.09	.09		.08	.10	.10	.10	.11	.10	.10	.11	.14	.094	23	.16
2*	.17	.18	.15	.11	.09	.08	.08	.07	.05	.05	.05	.04	.06	.07		.08	.10	.09	.10	.09	.10	.12	.15	.17	.097	23	.19
3	.13	.10	.09	.07	.05	.05	.06	.07	.06	.04	.05	.05	.04	.06		.03	.02	.03	.04	.05	.07	.07	.08	.07	.058	23	.16
4	.05	.04	.04	.05	.04	.06	.11	.11	.07	.04	.04	.04	.03	.02			.10	.15	.15	.16	.15	.12	.13	.15	.083	22	.16
5	.11	.10	.07	.06	.06	.11	.20	.24	.21	.14	.12	.12	.11	.09		.09	.09	.10	.11	.11	.12	.13	.13	.11	.117	23	.24
6	.09	.06	.05	.17	.16	.13	.20	.23	.13	.06	.05	.07	.07	.07		.09	.09	.09	.08	.07	.07	.10	.11	.12	.102	23	.26
7	.11	.09	.08	.08	.08	.10	.14	.15	.13	.09	.05	.04	.02	.02		.03	.03	.04	.03	.04	.08	.08	.09	.12	.075	23	.16
8*	.11	.09	.07	.06	.05	.07	.11	.11	.12	.08	.06	.07	.07	.07		.12	.14	.12	.12	.07	.05	.05	.05	.04	.082	23	.14
9*	.04	.03	.03	.03	.04	.04	.04	.05	.06	.06	.06	.04	.04	.04		.03	.04	.05	.09	.14	.18	.15	.15	.14	.068	23	.18
10	.10	.06	.06	.08	.06	.05	.06	.08	.07	.06	.06	.05	.04	.05		.05	.06	.06	.06	.07	.08	.08	.08	.07	.064	23	.12
11	.05	.03	.02	.02	.02	.08	.14	.15		.08	.06	.06	.04	.04		.05	.06	.06	.09	.15	.16	.17	.14	.11	.081	22	.17
12	.08	.05	.04	.05	.04	.08	.13	.14	.12	.11	.08	.05	.03	.03		.04	.03	.05	.07	.07	.09	.09	.06	.03	.068	23	.15
13	.03	.03	.03	.04	.05	.06	.09	.11	.11	.08	.08			.04		.02	.03	.03	.04	.06	.08	.09	.10	.09	.060	21	.11
14	.08	.05	.03	.03	.04	.07	.13	.15	.15	.13	.11	.08	.07	.06		.06	.09	.11	.11	.19	.21	.19	.20	.16	.107	23	.24
15*	.12	.09	.06	.07	.08	.12	.20	.18	.15	.13	.14	.13	.13	.12		.09	.12	.14	.14	.15	.14	.12	.13	.17	.126	23	.20
16*	.16	.13	.12	.12	.10	.08	.07	.08								.06	.08	.11	.11	.14	.13	.15	.14	.10	.112	17	.20
17	.08	.05	.04	.04	.05	.11	.17	.18		.14	.11	.10	.08			.08	.10	.11	.12	.12	.12	.09	.07	.06	.094	21	.20
18	.04	.02	.01	.02	.04	.10	.18	.18			.06	.05	.05	.04		.06	.08	.09	.10	.11	.12	.12	.14	.14	.082	21	.25
19	.11	.08	.07	.06	.08	.14	.26	.28	.21	.16	.13	.12	.10	.10		.11	.13	.15	.16	.18	.20	.21	.20	.15	.146	23	.30
20	.11	.09	.08	.08	.08	.16	.28	.29	.25	.21	.16	.14	.09	.10		.09	.13	.14	.15	.17	.18	.17	.12	.11	.147	23	.31
21	.12	.10	.09	.10	.11	.17	.27	.26	.18	.08	.09	.07	.06	.06			.09	.06	.10	.11	.07	.14	.09	.14	.117	22	.29
22*	.12	.07	.04	.05	.05	.07	.14	.22	.20	.16	.13	.10	.10	.10		.11	.12	.12	.13	.14	.13	.14	.13	.16	.117	23	.25
23*	.16	.09	.04	.03	.01	.01	.02	.03	.03	.03	.04	.03	.06	.07		.10	.16	.20	.20	.20	.20	.20	.13	.11	.092	23	.21
24	.10	.05	.03	.04	.03	.08	.13	.17	.16	.10	.07	.06	.05	.05		.05	.08	.11	.09	.09	.10	.12	.12	.11	.086	23	.18
25	.09	.07	.06	.06	.07	.13	.22	.25		.26	.23	.18	.16	.19			.16	.10	.07	.10	.16	.20	.21	.15	.148	21	.27
26	.15	.19	.11	.11	.10	.19	.21	.20	.21	.13	.09	.06					.11	.16	.16	.13	.12	.09	.05	.07	.131	20	.25
27	.11	.12	.09	.05	.04	.11	.20	.17	.17	.17	.17	.13	.10	.11			.17	.18	.17	.20	.20	.15	.12	.10	.136	22	.23
28	.07	.04	.03	.03	.04	.10	.17	.20	.23	.18	.12	.14	.12	.14		.17	.19	.18	.20	.21	.25	.29	.23	.23	.154	23	.38
29*	.21	.20	.12	.11	.11	.17	.32	.32	.19	.09	.09	.09	.08	.06		.09	.13	.13	.10	.07	.09	.17	.23	.30	.150	23	.39
30*	.35	.26	.22	.16	.11	.09	.11	.13	.14	.10	.05	.03	.02	.04		.06	.07	.14	.20	.17	.19	.20	.22	.16	.140	23	.35
MEAN	.11	.09	.07	.07	.06	.09	.15	.16	.14	.11	.09	.08	.07	.07		.07	.10	.11	.11	.12	.13	.14	.13	.12	.104		
NO.	30	30	30	30	30	30	30	30	25	28	29	28	27	27		25	30	30	30	30	30	30	30	30		669	
MAX.	.35	.26	.22	.17	.16	.19	.32	.32	.25	.26	.23	.18	.16	.19		.17	.19	.20	.20	.21	.25	.29	.23	.30	.154		.39

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-19.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
OCT. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN.	NO. OF HRS.	5-MIN. MAX.
1	.13	.10	.07	.06	.06	.11	.16	.19	.14	.12	.13	.12	.13	.15		.15	.18	.20	.18	.18	.19	.18	.15	.11	.137	23	.21
2	.06	.04	.02	.02	.02	.06				.17	.15	.13	.12	.13		.02	.03	.17	.15	.16	.20	.17	.12	.10	.100	20	.22
3	.07	.04	.02	.02	.02	.03	.09	.13	.13	.09	.08	.09	.07	.07		.07	.10	.10	.11	.12	.13	.15	.13	.11	.086	23	.16
4	.08	.06	.05	.04	.05	.07	.11	.17	.20	.18	.16	.08	.08	.08		.12	.13	.11	.13	.13	.17	.22	.23	.22	.123	23	.23
5	.14	.08	.06	.06	.07	.12	.18	.23	.24	.14	.16	.18	.14	.17		.12	.14	.15	.15	.15	.15	.15	.14	.15	.141	23	.26
6*	.14	.11	.08	.10	.18	.19	.16	.19	.13	.12	.10	.08	.06	.10		.11	.13	.17	.17	.16	.18	.15	.10	.10	.131	23	.21
7*	.13	.12	.09	.06	.06	.05	.04	.04	.04	.05	.05	.05	.06	.08		.09	.12	.13	.15	.14	.16	.16	.12	.08	.089	23	.16
8	.04	.02	.01	.00	.01	.02	.05	.08	.08	.08	.07	.06	.05	.07		.08	.10	.11	.11	.11	.11	.11	.10	.09	.066	23	.12
9	.08	.06	.04	.03	.03	.07	.16	.23	.26		.18	.12	.09	.09		.08	.09	.10	.11	.19	.26	.18	.14	.21	.127	22	.29
10	.22	.18	.10	.08	.08	.16	.27	.23	.22	.08	.07	.06	.05	.04		.06	.08	.12	.16	.17	.11	.05	.03	.03	.114	23	.31
11	.03	.04	.04	.05	.05	.08	.11	.12	.11					.04		.03	.06	.07	.08	.10	.07	.04	.03	.02	.060	19	.12
12	.03	.03	.02	.03	.05	.07	.13	.12	.13	.14	.12	.14	.11	.08			.13	.16	.14	.14	.14	.13	.15	.17	.105	22	.17
13*	.14	.12	.09	.05	.02	.02	.05	.05	.07	.09	.06	.03	.06	.04		.13	.18	.15	.09	.08	.05	.07	.07	.09	.078	23	.20
14*	.09	.09	.09	.07	.06	.06	.07	.07	.07	.06	.03	.02	.03	.02			.02	.03	.06	.07	.07	.08	.08	.07	.059	22	.09
15	.06	.04	.04	.04	.05	.07	.10	.12	.11	.07	.07	.06	.04	.04		.04	.05	.05	.05	.05	.04	.05	.06	.05	.059	23	.13
16	.04	.03	.02	.02	.03	.03	.05	.08	.09	.12	.09	.07	.06	.07		.10	.12	.12	.10	.09	.09	.10	.08	.07	.071	23	.13
17	.05	.03	.02	.05	.06	.11	.21	.21	.18	.18			.09	.08		.11	.13	.14	.13	.16	.18	.16	.13	.10	.118	21	.23
18	.05	.03	.03	.05	.08	.11	.18	.22	.21	.17	.11	.06	.05	.05		.05	.09	.10	.11	.13	.15	.18	.17	.13	.108	23	.23
19	.11	.09	.09	.09	.08	.09	.13	.16	.19	.19	.11	.06	.05	.05		.04	.07	.11	.13	.12	.11	.14	.12	.12	.106	23	.24
20*	.10	.13	.09	.07	.06	.08	.11	.14	.19	.17	.18	.18	.17	.19		.13	.16	.18	.18	.17	.16	.13	.17	.20	.144	23	.22
21*	.21	.14	.12	.08	.05	.04	.04	.04	.04	.04	.03	.03	.04	.02		.02	.03	.04	.05	.06	.06	.06	.06	.06	.058	23	.22
22	.05	.03	.02	.02	.02	.02	.03	.05	.10	.17	.08	.06	.06	.06		.07	.13	.16	.15	.13	.12	.11	.09	.06	.076	23	.20
23	.04	.03	.02	.01	.01	.03					.14	.13	.14	.17		.19	.20	.15	.14	.14	.15	.19	.17	.15	.115	19	.24
24	.09	.06	.04	.04	.06	.12	.20	.22	.19	.17	.10	.09	.12	.12		.16	.18	.16	.18	.19	.27	.23	.18	.14	.144	23	.30
25	.09	.05	.04	.05	.08	.15	.19	.19	.20	.18	.14	.12	.15	.20		.17	.22	.20	.20	.20	.18	.20	.12	.10	.148	23	.25
26	.07	.05	.04	.05	.07	.12	.21	.26	.25	.19	.15	.12	.11	.13											.129	14	.28
27*										.10	.08	.08	.08	.07		.07	.07	.10	.10	.10	.06	.04	.05	.05	.075	14	.11
28*	.06	.06	.06	.05	.03	.03	.04	.06	.05	.06	.06	.06	.09	.10		.13	.13	.16	.18	.16	.15	.15	.17	.17	.095	23	.21
29	.10	.06	.04	.03	.03	.05	.10	.19	.22	.19	.16	.12	.08	.10		.13	.17	.19	.18	.18	.14	.13	.14	.11	.122	23	.23
30	.12	.09	.07	.07	.06	.07	.09	.15	.23			.17	.13	.13		.18	.21	.24	.23	.14	.18	.16	.19	.16	.146	21	.26
31	.13	.09	.07	.06	.08	.11	.18	.21				.19	.19	.20		.22	.24	.24	.20	.23	.21	.20	.22	.22	.174	20	.29
MEAN	.09	.07	.05	.05	.05	.08	.12	.15	.15	.13	.10	.09	.09	.09		.10	.12	.14	.13	.14	.14	.13	.12	.11	.107		
NO	30	30	30	30	30	30	28	28	27	26	27	29	30	31		28	30	30	30	30	30	30	30	30		674	
MAX	.22	.18	.12	.10	.18	.19	.27	.26	.26	.19	.18	.19	.19	.20		.22	.24	.24	.23	.23	.27	.23	.23	.22	.174		.31

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-20.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
NOV. 1962

DAY OF MONTH	A M												P M												DAILY MEAN	NO. OF HRS	5-MIN MAX
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12			
1	.12	.08	.08	.09	.08	.09	.13	.17	.14	.12	.10	.10	.08	.08		.12	.15	.15	.13	.16	.22	.20	.21	.24	.131	23	.27
2	.24	.17	.13	.10	.09	.13	.18	.23	.26	.26	.21	.17	.14	.15		.19	.22	.23	.17	.13	.09	.06	.10	.15	.165	23	.28
3*	.17	.22	.20	.19	.16	.16	.20	.25	.24	.22	.21	.21	.19	.18		.15	.15	.22	.23	.21	.20	.22	.20	.22	.199	23	.26
4*	.18	.11	.08	.06	.04	.04	.03	.04	.04	.05	.05	.06	.05	.08		.20	.21	.18	.17	.17	.17	.17	.18	.17	.110	23	.22
5	.12	.07	.06	.04	.07	.10	.18	.29	.35	.36	.35	.33	.31	.22		.20	.22	.22	.23	.21	.16	.18	.23	.21	.204	23	.37
6	.19	.19	.17	.15	.13	.14	.19	.30	.30	.23	.14	.11	.08	.07		.08	.10	.13	.12	.10	.10	.08	.09	.09	.142	23	.31
7	.09	.07	.06	.05	.05	.06	.09	.14	.17		.13	.10	.08	.07		.10	.11	.12	.10	.11	.10	.09	.11	.11	.095	22	.18
8	.10	.06	.04	.04	.06	.09	.15	.27	.30	.31	.24	.25	.21	.23		.22	.26	.27	.25	.21	.16	.19	.16	.16	.183	23	.35
9	.19	.19	.20	.18	.13	.17	.29	.34	.35	.30	.20	.20	.17	.16		.20	.20	.21	.18	.18	.17	.17	.16	.19	.203	23	.36
10*	.20	.18	.12	.08	.08	.11	.14	.21	.25	.25	.23	.20	.19	.24		.19	.21	.25	.21	.17	.13	.15	.13	.17	.177	23	.28
11*	.17	.17	.16	.12	.07	.05	.04	.06	.06	.07	.08	.09	.10	.14		.18	.22	.24	.28	.28	.24	.25	.21	.23	.152	23	.31
12	.20	.08	.06	.05	.05	.06	.13	.18	.23	.24	.17	.21	.25	.24		.25	.23	.23	.24	.27	.26	.27	.26	.26	.192	23	.30
13	.23	.19	.20	.13	.11	.14	.15	.21	.25	.28		.17	.10	.09		.19	.23	.22	.21	.21	.15	.17	.18	.19	.182	22	.30
14	.19	.14	.11	.06	.04	.06	.18	.23	.17	.27	.21	.14	.09	.09		.09	.12	.14	.10	.08	.09	.10	.11	.10	.125	23	.31
15	.08	.06	.03	.04	.05	.08	.14	.20	.21	.15	.15	.15	.17	.18		.25	.23	.29	.27	.20	.17	.19	.25	.23	.163	23	.30
16	.18	.11	.07	.05	.04	.06	.11	.18	.19	.19	.17	.19	.17	.18		.15	.15	.17	.14	.13	.13	.12	.12	.13	.135	23	.23
17*	.12	.10	.08	.07	.05	.05	.08	.13	.16	.18	.16	.17	.20	.24		.25	.24	.30	.26	.17	.21	.23	.24	.27	.170	23	.33
18*	.26	.22	.18	.15	.11	.10	.10	.14	.16	.17	.18	.20	.23	.22		.27	.28	.26	.21	.21	.20	.24	.24	.21	.196	23	.29
19	.17	.12	.09	.11	.12	.12	.15	.22	.24	.19	.18	.20	.19	.20		.14	.15	.18	.21	.22	.19	.18	.17	.13	.167	23	.25
20	.11	.09	.08	.07	.06	.06	.10	.15	.17		.15	.15	.14	.11		.09	.10	.11	.11	.12	.12	.07	.04		.102	21	.17
21					.03	.04	.09	.16	.22	.26	.22	.20	.16	.15		.11	.14	.18	.19	.16	.13	.10	.06	.07	.140	19	.29
22	.07	.05	.03	.02	.02	.01	.02	.03	.04	.05	.06	.06	.05	.06		.06	.07	.07	.07	.10	.12	.12	.15	.17	.064	23	.17
23	.18	.15	.12			.16	.15	.19	.18	.14	.14	.13	.11	.12		.12	.10	.09	.07	.09	.10	.13	.17	.20	.134	21	.22
24*	.20	.17	.13	.09	.09	.07	.08	.18	.25	.26	.25	.23	.19	.18		.17	.16	.17	.20	.19	.13	.10	.17	.20	.168	23	.27
25*	.22	.21	.12	.11	.08	.08	.12	.15	.12	.13	.12	.11	.12	.13		.15	.15	.17	.18	.17	.24	.26	.24	.24	.157	22	.27
26	.19	.09	.05	.04	.07	.09	.13	.27	.23	.24	.18	.15	.13	.12		.12	.17	.20	.12	.09	.10	.11	.13	.08	.133	23	.30
27	.09	.10	.06	.08	.08	.11	.15	.13	.17				.19	.18	.20	.26	.37	.40	.37	.29	.19	.14	.17	.21	.187	21	.41
28	.19	.11	.17	.15	.13	.14	.16	.27	.27	.32	.32	.36	.33	.28		.35	.51	.57	.52	.39	.30	.27	.32	.34	.293	23	.60
29	.29	.31	.35	.26	.21	.25	.49	.59	.61	.49	.31	.26	.24	.22				.31	.37	.43	.41	.35	.43	.41	.360	21	.65
30	.34	.20	.17	.18	.15	.18	.28	.41	.56	.56	.44	.41	.32	.29		.27	.26	.27	.26	.22	.19	.20	.27	.49	.300	23	.66
MEAN	.17	.14	.12	.10	.08	.10	.15	.21	.23	.23	.19	.18	.17	.16		.17	.20	.22	.20	.19	.17	.17	.18	.20	.171		
NO.	29	29	29	28	29	30	30	30	30	27	28	29	30	30	1	29	29	30	30	30	30	30	30	29		676	
MAX.	.34	.31	.35	.26	.21	.25	.49	.59	.61	.56	.44	.41	.33	.29	.20	.35	.51	.57	.52	.43	.41	.35	.43	.49	.360		.66

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-21.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
DEC. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	.50	.42	.27	.25	.21	.15	.23	.47	.60	.58	.47	.29	.28	.20		.25	.30	.29	.30	.30	.33	.44	.43	.49	.349	23	.63
2*	.43	.36	.28	.21	.19	.18	.20	.22	.21	.22	.20	.18	.14	.13		.12	.17	.19	.23	.27	.31	.35	.38	.35	.239	23	.50
3	.35	.25	.17	.15	.13	.13	.21	.30	.34	.38	.29	.23	.23	.19			.15	.32	.25	.23	.20	.21	.21	.22	.233	22	.38
4	.19	.15	.11	.07	.07	.10	.14	.25	.26		.26	.24	.23	.15		.14	.15	.15	.13	.09	.08	.09	.09	.10	.146	22	.30
5	.08	.06	.04	.04	.04	.04	.08	.15	.17	.19	.18	.16	.16	.13		.14	.16	.19	.17	.18	.17	.15	.15	.15	.129	23	.20
6	.12	.08	.07	.05	.06	.07	.13	.22	.24	.26	.24	.22	.22	.18		.18	.20	.19	.14	.12	.12	.13	.13	.10	.150	23	.29
7	.08	.05	.04	.03	.03	.05	.11	.19	.22	.19	.14	.13	.11	.10		.11	.17	.17	.21	.20	.20	.17	.15	.14	.130	23	.23
8*	.13	.10	.07	.06	.09	.07	.09	.15	.16	.15		.11	.13	.12		.09	.12	.12	.10	.09	.09	.09	.12	.15	.107	22	.18
9*	.15	.11	.08	.06	.05	.05	.05	.06	.08	.08	.10	.10	.09	.09		.13	.15	.16	.14	.13	.11	.10	.12	.14	.100	23	.17
10	.10	.06	.05	.04	.05	.06	.11	.16	.20	.21	.18	.13	.12	.10		.13	.17	.20	.24	.23	.22	.21	.19	.13	.143	23	.25
11	.11	.09	.06	.05	.06	.08	.12	.20	.24		.21	.20	.16	.15		.17	.20	.19	.23	.20	.23	.21	.20	.17	.159	22	.24
12	.14	.12	.08	.05	.05	.05	.10	.15	.21	.21	.17	.19	.17	.14		.12	.16	.16	.15	.13	.12	.13	.13	.13	.132	23	.22
13	.12	.08	.06	.05	.06	.07	.08	.10	.12	.13	.13	.14	.15	.13			.21	.25	.26	.30	.29	.32	.31	.29	.163	22	.34
14	.25	.18	.12	.10	.10	.12	.21	.26	.36	.34	.33	.33	.22	.22		.22	.20	.18	.18	.19	.19	.17	.13	.15	.206	23	.37
15*									.16	.16	.16	.15	.19	.20		.21	.24	.25	.23	.20	.18	.19	.19	.22	.195	15	.26
16*	.22	.18	.15	.11	.08	.06	.06	.08	.07	.07	.09	.11	.09	.06		.07	.07	.08	.09	.09	.09	.06	.05	.05	.090	23	.24
17	.06	.05	.05	.05	.04	.04	.06	.10	.14		.25	.26	.26	.20		.27	.38	.49	.39	.32	.32	.34	.39	.28	.214	22	.53
18	.19	.13	.07	.04	.02	.02	.05	.12	.11	.10				.10	.13	.24	.20	.25	.28	.26	.22	.20	.16	.13	.142	21	.30
19	.12	.11	.09	.08	.07	.06	.06	.10	.18	.24	.24	.25	.22	.22		.19	.19	.16	.14	.12	.17	.20	.15	.10	.150	23	.26
20	.08	.06	.04	.02	.02	.02	.04	.10	.14	.18	.20	.19	.16	.17		.18	.18	.19	.15	.14	.15	.17	.14	.13	.123	23	.22
21	.10	.08	.05	.03	.03	.03	.06	.13	.17	.16			.14	.14	.18	.21	.16	.12	.13	.15	.13	.12	.15	.17	.120	22	.22
22*	.13	.09	.07	.08	.09	.08	.09	.14	.17	.17	.17	.18	.13	.10		.10	.11	.11	.13	.11	.08	.09	.07	.05	.110	23	.21
23*	.05	.04	.04	.03	.02	.03	.02	.03	.04	.03	.04	.04	.06	.05		.08	.08	.08	.08	.10	.12	.13	.12	.12	.061	23	.13
24	.14	.13	.08	.06	.06	.08	.10	.15	.27	.37	.36	.26	.23	.22		.16	.20	.21	.21	.17	.14	.13	.14	.12	.172	23	.42
25	.10	.07	.06	.06	.05	.05	.04	.04	.04	.05	.05	.05	.06	.06		.04	.05	.04	.05	.05	.06	.05	.05	.05	.052	23	.11
26	.04	.04	.03	.02	.02	.03	.06	.10	.11									.22	.17	.16	.17	.16	.14	.14	.101	16	.25
27	.13	.12	.10	.09	.08	.08	.09	.15	.16	.16	.15	.13	.13	.12		.14	.15	.18	.16	.13	.12	.13	.09	.10	.126	23	.20
28	.12	.15	.13	.16	.17	.15	.16	.22	.24	.26	.24	.21	.15	.13		.15	.17	.19	.18	.17	.17	.15	.12	.12	.169	23	.28
29*	.13	.10	.07	.07	.05	.04	.06	.11	.14	.17	.18	.16	.15	.15		.18	.20	.17	.13	.11	.12	.13	.16	.21	.129	23	.22
30*	.18	.11	.10	.07	.07	.06	.06	.07	.07	.09	.09	.12	.13	.16		.17	.18	.22	.24	.29	.29	.31	.37	.34	.165	23	.38
31	.30	.11	.03	.02	.01	.01	.01	.04	.07			.08	.08	.07		.10	.11	.11	.09	.08	.10	.08	.06	.11	.079	21	.34
MEAN	.16	.12	.09	.07	.07	.07	.10	.15	.18	.20	.20	.17	.16	.14		.15	.17	.19	.18	.17	.17	.17	.17	.17	.148		
NO	30	30	30	30	30	30	30	30	31	26	26	28	29	30	2	28	30	31	31	31	31	31	31	31		687	
MAX	.50	.42	.28	.25	.21	.18	.23	.47	.60	.58	.47	.33	.28	.22	.18	.27	.38	.49	.39	.32	.33	.44	.43	.49	.349		.63

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-22.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
JAN. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX
1	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.01	.03	.03			.02	.02	.01	.01	.00	.00			.018	20	.03
2																											
3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03													
4																									.002	14	.04
5																											
6*																											
7*																											
8																											
9	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.05	.05	.05	.05			.02	.02	.02	.02					.032	18	.05
10																											
11	.02	.02	.01	.01	.01	.01	.01	.01	.00	.01	.02	.02	.01	.01													
12	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.04	.04	.02	.02	.02	.03	.03	.03	.02	.02	.02	.02	.017	23	.04
13*																		.04	.03	.02	.01	.00	.00	.00	.020	22	.04
14*																											
15	.06	.06	.07	.07	.07						.12	.12	.13	.13		.03	.03	.04	.03	.03	.03	.03	.03	.03	.062	18	.17
16	.03	.02	.02	.02	.02	.02						.02	.03	.03		.03	.02	.02	.01	.01	.00	.05	.06	.05	.026	18	.06
17	.05	.05	.04	.04	.04	.04	.04	.04	.03	.03	.04	.04	.04	.04		.03	.03	.03	.02	.02	.02	.02	.02	.01	.033	23	.06
18																											
19	.02	.01	.01		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.03	.03	.03	.04	.02	.02	.02	.02		.012	22	.05
20*		.01	.01		.09	.10	.10	.10	.10	.10	.11		.03	.04	.05	.05	.05	.04	.04	.03	.03	.02			.057	19	.14
21*																											
22	.02	.02	.01		.00	.01	.01	.01	.00	.01				.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.02	.021	20	.04
23	.02	.02	.02		.01	.02	.03			.00	.00	.01	.00	.01	.01	.00	.01	.02	.01	.01	.01	.01	.01	.01	.011	21	.04
24	.01	.01	.01		.01	.01	.02	.02	.02	.04				.01	.02	.02	.02	.03	.03	.02	.02	.02	.02	.02	.018	20	.05
25																											
26		.01	.01			.01	.01	.01	.01	.02	.05	.04	.03	.03	.04	.04	.04	.05	.05	.05	.04	.03	.03	.02	.029	21	.06
27*																											
28*																											
29																											
30																											
31																											
MEAN	12	14	14	8	13	13	12	11	11	12	11	11	12	14	7	10	12	13	13	13	12	12	10	9		279	
NO.	.06	.06	.07	.07	.09	.10	.10	.10	.10	.10	.12	.12	.13	.13	.05	.05	.05	.05	.05	.05	.04	.05	.06	.05	.062		.17
MAX.																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-23.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

CHICAGO, ILL.

NITROGEN DIOXIDE
FEB. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1																											
2	.03	.03	.02		.01	.02	.02	.02	.02	.04	.04	.04	.04	.04	.04	.03									.028	15	.04
3*							.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.01	.01	.02	.02	.02	.02	.02	.014	18	.02
4*																											
5					.00	.01	.01	.01	.01	.01								.06	.06	.06	.06	.06	.06	.06	.037	13	.06
6	.06	.06	.06	.06	.06	.06	.06	.06	.06		.03	.03	.04	.08	.05	.04	.03	.04	.04	.03	.03	.03	.03	.03	.046	23	.08
7	.03	.02	.02			.02	.02	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.04	.05	.04	.04	.04	.03	.03	.025	22	.05
8																											
9																											
10*		.02	.02		.02	.03	.03	.04	.04	.05	.05					.03	.03	.02	.02	.02	.02	.02	.02	.01	.026	18	.05
11*	.01	.01	.01		.01	.01	.01	.01	.01	.01	.01					.00	.02	.02	.02	.02	.01	.01	.01	.01	.012	19	.03
12	.01	.01	.01		.02	.02	.03	.03	.03	.03	.04					.07	.05	.04	.04	.04	.02	.02	.02	.02	.028	19	.07
13	.02	.02	.03		.03	.03	.04	.04	.05	.06			.03	.03	.03	.03	.04	.04	.04	.03	.02	.02	.02	.02	.032	21	.07
14																											
15					.00	.00	.01	.01	.02	.05	.06				.03	.03	.04	.04	.04	.04	.03	.03	.03	.03	.029	17	.06
16	.03	.02	.02		.02	.02	.01										.00	.00	.00	.00	.00	.00	.01	.01	.009	14	.03
17*	.01	.01	.01		.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.021	23	.04
18*	.02	.02	.02		.02	.02	.03	.03	.04	.04	.05	.06	.06				.00			.01	.01	.01	.01	.01	.025	18	.06
19	.02	.02	.02	.02	.02	.03	.03	.03			.03	.04	.04			.05	.05	.05	.05	.05	.05	.06	.06	.06	.039	20	.06
20																											
21																											
22																											
23																											
24*	.02	.02	.02		.03	.03	.03	.03	.03	.03	.03	.04	.03	.04	.04	.03	.03	.02	.02	.02	.03	.03	.03	.03	.028	23	.05
25*																											
26																											
27	.02	.02	.02		.02	.02	.02	.02	.02	.02	.02	.04	.04	.04	.04	.04	.04	.04	.03	.03	.03	.03	.02	.02	.027	23	.04
28	.02	.02	.02		.02	.02	.02	.03	.03	.05				.03	.02			.02	.01	.01	.01	.01	.01	.01	.019	18	.06
MEAN																				.03	.03	.03	.02	.02			
NO.	13	14	14	2	15	16	17	16	15	14	13	9	10	9	10	13	14	15	15	16	16	16	16	16		324	
MAX	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.08	.05	.07	.05	.06	.06	.06	.06	.06	.06	.06	.046		.08

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-24.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
MARCH 1962

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.01	.01	.01		.02	.02				.04	.04	.04	.04	.07	.05	.04	.04	.03	.03	.03	.03	.03	.03	.03	.033	20	.12
2	.03	.03	.02		.03	.03	.04	.05	.07	.07	.09	.09	.12	.19	.16	.12	.14	.14	.13	.13	.14	.14	.14		.094	22	.21
3*			.00			.00	.00	.00	.01	.02	.01	.02	.03	.09	.04	.02	.02	.01	.01	.02	.02	.02	.02	.02	.018	20	.10
4*																											
5																											
6																											
7																											
8																											
9																											
10*																											
11*																											
12	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04		.05	.05	.05	.05	.05	.05	.05	.05	.038	23	.05
13	.05	.05	.05	.04	.04	.04	.05	.05	.06	.05	.04	.04	.05	.05	.05		.05	.06	.05	.05	.06	.06	.07	.07	.051	23	.08
14	.06	.05	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.03	.03		.05	.05	.05	.03	.03	.03	.03	.02	.038	23	.07
15	.02	.02	.02	.02	.02	.02	.02	.02	.01	.04	.05	.04	.04	.05	.06		.05	.05	.05	.04	.04	.04	.04	.04	.034	23	.07
16	.04	.04	.04	.04	.04	.05	.05	.04	.03	.03	.03	.05	.05	.05	.05		.04	.04	.03	.03	.03	.03	.03	.03	.038	23	.06
17*																											
18*	.02	.02	.02	.02	.02	.02	.00	.01	.01					.06	.09		.05	.05	.05	.04	.04	.03	.03	.03	.032	19	.13
19	.03	.03	.03	.02	.01	.01	.00								.05		.05	.05	.05	.06	.07	.06	.05	.05	.039	16	.07
20	.05	.05	.03	.02	.02	.02	.02	.02	.02	.01	.04	.05	.05	.05	.05		.05	.05	.05	.04	.03	.03	.03	.03	.035	23	.06
21	.03	.02	.02	.02	.02	.02	.03	.03	.03	.05	.05	.05	.05	.05	.05		.04	.05	.05	.05	.04	.03	.03	.03	.037	23	.07
22	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.04	.04	.05	.05	.05		.05	.05	.05	.05	.05	.05	.05	.05	.042	23	.06
23	.05	.04	.04	.04	.05	.05	.04	.04	.04	.03	.02	.03	.03	.04	.04		.05	.06	.06	.06	.06	.06	.06	.04	.044	23	.06
24*	.04	.04	.04	.03	.03	.04	.04	.04	.04	.04				.07	.11		.07	.07	.07	.06	.05	.06	.06	.06	.053	20	.14
25*	.06	.06	.05	.05	.05	.05	.05	.06	.06			.04	.05	.06	.08			.06	.06	.06	.06	.06	.06	.06	.057	20	.10
26	.05	.05	.03	.04	.04	.04	.04	.04	.04	.04		.01	.01	.03	.06		.05	.05	.05	.05	.05	.06	.08	.09	.044	22	.09
27	.08	.07	.06	.07	.07	.07	.06	.07	.08	.05		.05	.07	.11	.12		.11	.11	.10	.10	.09	.08	.08	.07	.081	22	.13
28	.06	.06	.06	.06	.06	.07	.08	.08	.09	.08	.07	.04	.03	.06	.07		.08	.07	.07	.06	.06	.06	.06	.06	.065	23	.10
29	.06	.06	.05	.04	.05	.06	.06	.06	.07	.06	.06	.06	.07	.08	.08		.06	.05	.04	.04	.03	.03	.03	.03	.053	23	.08
30	.03	.03	.03	.03	.03	.04	.04	.04	.05										.05	.05	.05	.05	.06	.06	.042	15	.06
31*	.06	.04	.04	.04	.04	.04	.04	.05	.04	.04	.04	.04	.05	.05	.06		.05	.05	.05	.05	.05	.05	.05	.05	.047	23	.06
MEAN	.04	.04	.03	.04	.04	.04	.04	.04	.04	.04		.04	.05	.06	.06		.06	.06	.05	.05	.05	.05	.05	.05	.046		
NO.	21	21	22	19	21	22	21	20	20	18	15	18	18	20	21	3	20	21	22	22	22	22	22	21		472	
MAX	.08	.07	.06	.07	.07	.07	.08	.08	.09	.08	.09	.09	.12	.19	.16	.12	.14	.14	.13	.13	.14	.14	.14	.09	.094		.21

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-25.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

CHICAGO, ILL.

NITROGEN DIOXIDE
APRIL 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	.05	.04	.04	.04	.03	.04	.04	.04	.04	.05	.03	.04	.04	.04	.04		.04	.04	.04	.04	.04	.04	.04	.05	.040	23	.05
2	.05	.05	.05	.05	.06	.06	.05	.05	.05	.05	.04	.04	.05	.05	.05		.04	.04	.04	.04	.04	.05	.06	.05	.048	23	.07
3	.06	.05	.06	.06	.06	.06	.07	.09	.11	.06	.06	.06	.06	.06	.06		.06	.05	.06	.05	.06	.06	.06	.06	.062	23	.12
4	.05	.05	.04	.05	.05	.05	.05	.06	.06	.06	.06	.06	.05	.06	.06		.06	.06	.06	.05	.06	.06	.06	.06	.055	23	.06
5	.06	.06	.07	.06	.04	.04	.05	.05	.05	.05	.05	.05								.06	.06	.06	.05	.05	.053	17	.07
6	.04	.04	.04	.03	.03	.04	.04	.04	.05	.07	.07	.06	.06	.05	.07		.06	.06	.05	.06	.06	.07	.06	.05	.051	23	.07
7*	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.04	.04	.03	.04		.04	.04	.04	.04	.04	.04	.04	.04	.037	23	.07
8*	.04	.04	.04	.05	.05	.05	.04	.04	.03	.04	.04	.04	.04	.05	.05		.05	.05	.05	.03	.02	.03	.03	.03	.040	23	.05
9	.03	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04		.05	.04	.04	.04	.04	.05	.05	.05	.033	23	.05
10	.05	.05	.04	.03	.03	.04	.04	.05	.06	.06	.05	.05	.04	.05	.05		.05	.05	.05	.05	.05	.06	.06	.05	.048	23	.07
11	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.05	.05	.05	.06		.06	.05	.05	.04	.05	.05	.05	.05	.045	23	.07
12	.04	.04	.04	.04	.04	.04	.05	.05	.05	.05	.04	.05	.05	.05	.06		.06	.05	.05	.05	.05	.05	.05	.04	.047	23	.06
13	.04	.04	.04	.05	.05	.04	.04	.04	.05	.05	.06	.05	.05	.04	.05		.05	.05	.05	.05	.06	.06	.05	.04	.047	23	.06
14*	.04	.04	.04	.04	.04	.04	.04	.04	.04	.05	.05	.05	.05	.05	.05		.05	.05	.04	.04	.04	.04	.04	.04	.044	23	.05
15*	.04	.04	.04	.03	.03	.03	.03	.03	.03	.04	.03	.04	.06	.04	.05		.05	.05	.04	.04	.04	.04	.04	.04	.039	23	.13
16	.04	.04	.04	.04	.04	.04	.05	.05	.05	.05	.05	.05	.05				.05	.05	.05	.04	.04	.04	.04	.05	.045	21	.06
17	.06	.06	.05	.04	.04	.04	.05	.05	.05	.06	.06	.05	.05	.03	.03		.07	.06	.06	.06	.07	.05	.05	.05	.051	23	.07
18	.04	.04	.04	.04	.05	.05	.05	.06	.07	.07	.05	.05	.05	.05	.06		.04	.05	.05	.04	.04	.03	.03	.02	.046	23	.07
19	.02	.01	.05	.00								.00	.04	.05	.05			.05	.05	.05	.05	.05	.05	.04	.037	15	.08
20	.04	.03	.03	.03	.04	.04	.04	.04	.04	.04	.04	.04	.05	.05	.05		.04	.04	.04	.04	.04	.05	.05	.06	.042	23	.06
21*	.05	.05	.04	.04	.05	.05	.05	.05	.05	.05	.06	.07	.06	.06	.06		.05	.06	.06	.05	.05	.05	.05	.04	.051	23	.07
22*																											
23																											
24	.08	.07	.06	.06	.06	.06	.09	.11	.10	.07	.05	.05	.05	.06	.05			.04	.03	.03	.03	.03	.03	.02	.055	22	.12
25	.02	.03	.03	.03	.03	.03	.03	.04	.05	.04	.05	.05	.05	.05	.05		.04	.04	.04	.04	.04	.03	.03	.03	.037	23	.07
26	.03	.03	.02	.02	.02	.03	.03	.04	.05	.06	.05	.04	.05	.04	.04		.04	.04	.04	.04	.04	.04	.04	.03	.037	23	.06
27	.02	.02	.02	.02	.02	.02	.02	.03	.04	.04	.03	.04	.03	.04	.04		.04	.04	.04	.04	.03	.03	.03	.03	.030	23	.04
28*	.02	.02	.02	.03	.03	.02	.02	.02	.02	.03	.03	.03	.03	.02	.02		.02	.02	.02	.02	.02	.02	.02	.02	.022	23	.03
29*	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.02		.03	.03	.03	.02	.03	.03	.03	.03	.023	23	.03
30	.02	.02	.02	.02	.02	.02	.03	.03	.03	.04	.04	.04	.05	.05	.04			.08	.09	.04	.04	.04	.04	.05	.038	22	.11
MEAN	.04	.04	.04	.04	.04	.04	.04	.04	.05	.05	.04	.04	.05	.04	.05		.05	.05	.05	.04	.04	.04	.04	.04	.043		
NO.	28	28	28	28	27	27	27	27	27	27	27	28	27	26	26		24	27	27	28	28	28	28	28		626	
MAX	.08	.07	.07	.06	.06	.06	.09	.11	.11	.07	.07	.07	.06	.06	.07		.07	.08	.09	.06	.07	.07	.06	.06	.062		.13

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-26.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
MAY 1962

DAY OF MONTH	A M												P M												DAILY MEAN	NO OF HRS	5-MIN MAX
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12			
1	.05	.03	.03	.03	.03	.04	.04	.04	.04	.04	.03	.03	.03	.03	.04		.04	.04	.04	.04	.04	.03	.03	.03	.037	23	.06
2	.03	.03	.03	.03	.03	.04	.05	.06	.06	.04	.04	.04	.04	.05		.08	.07	.06	.06	.06	.07	.07	.06	.05	.050	23	.13
3	.04	.04	.04	.04	.04	.04	.05	.07	.11	.14	.07	.06	.07	.06		.06	.06	.06	.06	.06	.07	.08	.08	.07	.064	23	.17
4	.05	.04	.04	.04	.04	.05	.07	.09	.10	.11	.09	.08	.08	.10		.08	.08	.07	.07	.07	.07	.09	.08	.07	.071	23	.11
5*	.06	.06	.05	.04	.05	.05	.06	.08	.08					.06		.07	.06	.05	.05	.06	.06	.06	.04	.03	.057	19	.08
6*	.03	.04	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03		.04	.04	.04	.04	.05	.03	.03	.03	.03	.033	23	.05
7	.03	.03	.03	.03	.02	.03	.03	.03	.03	.03	.03	.03	.04	.04			.04	.03	.03	.04	.04	.05	.05	.04	.033	22	.05
8	.05	.04	.04	.04	.04	.05	.05	.06	.06	.06	.07	.06	.05	.05		.05	.05	.05	.06	.06	.06	.06	.06	.05	.052	23	.12
9	.05	.04	.04	.04	.03	.04	.04	.05	.05	.04	.04	.04	.04	.05		.06	.06	.06	.06	.06	.05	.05	.05	.05	.047	23	.09
10	.04	.04	.03	.03	.03	.04	.05	.05	.06	.05	.05	.05	.05	.06		.06	.06	.05	.05	.05	.05	.05	.04	.04	.047	23	.06
11	.04	.04	.04	.05	.05	.05	.06	.06	.05	.05	.06	.07	.07	.07		.09	.10	.10	.10	.10	.10	.10	.09	.09	.070	23	.11
12*	.07	.07	.06	.04	.04	.06	.06	.06	.07	.07	.08	.09	.08	.09		.08	.09	.09	.09	.09	.08	.06	.05	.05	.069	23	.12
13*	.06	.04	.03	.03	.04	.04	.04	.04	.04	.04	.05	.0	.05	.05		.05	.06	.07	.08	.07	.06	.06	.04	.03	.047	23	.08
14	.03	.02	.02	.02	.03	.03	.04	.05	.06	.06	.06	.06	.06	.06		.07	.07	.06	.06	.07	.06	.06	.05	.04	.049	23	.08
15	.04	.03	.03	.03	.03	.04	.05	.07	.06	.06	.06	.06	.07	.09		.07	.07	.07	.06	.07	.07	.06	.06	.06	.056	23	.16
16	.06	.06	.06	.05	.03	.03	.05	.07	.08	.09	.09	.08	.13	.14		.16	.16	.15	.11	.09	.09	.08	.07	.07	.086	23	.19
17	.06	.06	.05	.05	.06	.07	.09	.14	.13	.11	.10	.10	.10	.08		.06	.08	.07	.07	.07	.06	.06	.06	.06	.077	23	.15
18	.06	.05	.04	.03	.04	.05	.06	.12	.15	.12	.16	.15	.15	.13		.09	.08	.06	.06	.06	.06	.06	.06	.06	.082	23	.19
19*	.05	.05	.04	.04	.03	.03	.04	.04	.05	.07	.07	.05	.05	.05		.06	.06	.04	.04	.04	.04	.03	.03	.02	.044	23	.09
20*	.02	.02	.03	.02	.02	.02	.02	.02	.03	.03	.04	.03	.04	.05		.08	.08	.07	.06	.06	.06	.05	.04	.02	.040	23	.09
21	.02	.01	.01	.02	.02	.02	.03	.03	.03	.03	.03	.02	.02				.04	.03	.03	.03	.03	.03	.03	.03	.025	21	.04
22	.03	.02	.02	.03	.02	.03	.03	.03	.03	.03	.04		.05	.05		.09	.06	.04	.05	.05	.04	.04	.04	.03	.038	22	.09
23	.03	.03	.02	.02	.02	.03	.03	.04	.04	.05	.05	.04	.04	.04		.04	.04	.04	.03	.04	.04	.04	.04	.04	.036	23	.05
24	.04	.03	.01	.02	.02	.02	.02	.03	.03	.03	.04	.04	.04	.05		.05	.04	.04	.04	.04	.03	.03	.03	.03	.032	23	.05
25	.03	.03	.03	.03	.03	.03	.03	.05	.06	.08	.10	.08	.07	.08		.07	.06	.03	.03	.03	.03	.03	.03	.03	.046	23	.10
26*	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03		.04	.04	.04	.04	.04	.04	.04	.04	.04	.034	23	.04
27*	.04	.04	.04	.03	.03	.04	.04	.04	.04	.03	.03	.03	.03	.03		.04	.05	.05	.05	.05	.05	.05	.05	.05	.040	23	.07
28	.05	.05	.04	.04	.04	.05	.05	.05	.05	.06	.07	.07	.06	.06		.06	.06	.06	.06	.06	.06	.05	.05	.05	.054	23	.07
29	.04	.04	.03	.04	.03	.05	.05	.07	.07	.07	.06	.05	.05	.06				.02	.02	.02	.03	.03	.03	.02	.041	21	.07
30	.02	.01	.01	.01	.01	.01	.01	.01	.02	.03	.03	.03	.04	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.023	23	.04
31	.03	.02	.01	.02	.02	.02	.03	.03	.04	.05	.05	.05	.05	.06		.04	.04	.04	.03	.03	.02	.02	.02	.01	.031	23	.06
MEAN	.04	.04	.03	.03	.03	.04	.04	.05	.06	.06	.06	.05	.06	.06		.06	.06	.06	.05	.05	.05	.05	.05	.04	.049		
NO.	31	31	31	31	31	31	31	31	31	30	30	29	30	30	1	27	30	31	31	31	31	31	31	31		703	
MAX.	.07	.07	.06	.05	.06	.07	.09	.14	.15	.14	.16	.15	.15	.14	.04	.16	.16	.15	.11	.10	.10	.10	.09	.09	.086		.19

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-27.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
JUNE 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1	.01	.01	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.02		.04	.03	.03	.03	.02	.02	.02	.02	.01	.014	23	.05
2*	.01	.01	.00	.00	.00	.00	.00	.01	.01			.02	.02	.02							.02	.02	.02	.02	.011	16	.04
3*	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.04		.03	.04	.05	.04	.04	.04	.05	.05	.04	.031	23	.05
4	.04	.04	.03	.02	.03	.03	.03	.04	.04					.09	.04		.10	.09	.08	.07	.08	.08	.08	.07	.056	19	.10
5	.07	.07	.07	.06	.05	.05	.07	.08				.13	.14	.14	.09		.11	.10	.09	.07	.06	.05	.06	.05	.080	20	.16
6	.04	.04	.04	.04	.04	.04	.05	.05			.11	.08	.07	.08		.07	.07	.07	.07	.06	.06	.05	.05	.05	.058	21	.24
7	.05	.04	.04	.04	.04	.04	.04	.04	.05	.05	.06	.06	.08	.10		.11	.11	.10	.09	.07	.06	.06	.07	.06	.063	23	.11
8	.05	.05	.05	.05	.05	.05	.05	.06	.06	.07	.08	.10	.12	.14		.12	.11	.10	.07	.07	.07	.06	.06	.06	.074	23	.14
9*	.06	.05	.04	.05	.05	.05	.05	.06	.06	.08	.08	.07	.07	.06		.08	.06	.06	.06	.06	.06	.06	.06	.05	.059	23	.09
10*	.05	.05	.05	.03	.03	.03	.04	.04	.03	.05	.06	.06	.06	.07		.06	.05	.05	.06	.05	.05	.05	.05	.05	.048	23	.07
11	.05	.05	.03	.03	.03	.04	.04	.05	.06	.06	.06	.07	.08	.07		.06	.06	.03	.02	.03	.03	.03	.03	.03	.045	23	.09
12	.03	.02	.02	.02	.02	.03	.03	.04		.04	.05	.05	.06	.06		.06	.05	.05	.05	.05	.05	.05	.05	.05	.042	22	.06
13	.05	.04	.04	.04	.04	.04	.04	.05	.06	.06	.07	.07	.06	.06		.06	.06	.06	.05	.05	.05	.04	.05	.05	.051	23	.07
14	.06	.05	.05	.05	.06	.06	.05	.06	.07	.07	.07	.08	.08	.08		.09	.09	.09	.09	.09	.10	.08	.08	.08	.073	23	.11
15	.09	.08	.08	.06	.06	.07	.10	.14	.16	.17	.20	.19	.14	.14		.13	.13	.13	.14	.12	.10	.10	.10	.09	.118	23	.23
16*	.08	.06	.06	.07	.07	.08	.08	.08	.09	.08	.08	.08	.07	.08		.08	.08	.07	.08	.08	.08	.07	.07	.07	.075	23	.09
17*	.06	.05	.05	.05	.07	.06	.07	.08	.08	.08	.08	.07	.07	.07		.07	.07	.08	.09	.09	.08	.08	.09	.06	.07	23	.10
18	.05	.05	.05	.04	.04	.04	.05	.07	.07	.08	.09	.08	.08	.10	.04		.06	.06	.05	.05	.05	.05	.05	.05	.059	23	.10
19	.05	.05	.04	.03	.03	.03	.04	.04		.05	.05	.05	.05	.04		.04	.04	.04	.05	.04	.03	.04	.05	.05	.042	22	.05
20	.05	.06	.05	.04	.04	.05	.07	.09	.12	.15	.10	.08	.07			.06	.06	.04	.03	.03	.03	.03	.03	.03	.059	22	.16
21	.03	.03	.03	.02	.02	.02	.02	.03	.04	.03	.03	.04	.05	.07		.11	.11	.11	.11	.10	.09	.09	.08	.07	.057	23	.12
22	.08	.08	.09	.10	.09	.09	.08	.09	.09	.08	.08	.08	.07	.07		.08	.07	.06	.06	.05	.06	.06	.07	.06	.075	23	.10
23*	.08	.07	.06	.06	.07	.07	.06	.08	.08	.10	.10	.13	.11	.08		.09	.11	.10	.09	.08	.07	.07	.07	.08	.083	23	.14
24*	.10	.08	.07	.05	.07	.07	.07	.08	.07	.07	.09	.09	.07	.07		.08	.08	.08	.08	.07	.07	.07	.07	.08	.075	23	.10
25	.07	.07	.07	.07	.07	.07	.11	.13	.15	.20	.22	.16	.11	.10		.14	.12	.11	.09	.10	.07	.05	.04	.04	.102	23	.26
26	.03	.03	.03	.03	.03	.04	.05	.06		.06	.05	.06	.07	.08		.07	.07	.05	.05	.05	.05	.04	.04	.04	.050	22	.08
27	.04	.03	.03	.03	.03	.03	.03	.03	.04	.04	.06	.07	.09	.10		.11	.10	.08	.07	.08	.08	.07	.07	.07	.060	23	.11
28	.06	.06	.06	.08	.08	.08	.11	.14	.13	.16	.15	.13	.14	.13		.13	.14	.12	.12	.12	.11	.11	.10	.09	.111	23	.19
29	.10	.08	.06	.06	.06	.06	.07	.08	.10	.10	.09	.08	.08	.08		.09	.10	.10	.10	.10	.10	.10	.07	.07	.083	23	.11
30*	.07	.07	.07	.06	.05	.06	.07	.06	.07	.07	.08	.09				.07	.07	.06	.05	.05	.05	.05	.05	.05	.063	21	.10
MEAN	.05	.05	.05	.04	.04	.05	.05	.06	.07	.08	.08	.08	.08	.08		.08	.08	.07	.07	.07	.06	.06	.06	.06	.063		
NO	30	30	30	30	30	30	30	30	25	24	27	29	28	28	3	26	29	29	29	29	30	30	30	30		668	
MAX	.10	.08	.09	.10	.09	.09	.11	.14	.16	.20	.22	.19	.14	.14	.09	.14	.14	.13	.14	.12	.11	.11	.10	.09	.118		.26

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-28.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM

COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
JULY 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1*	.05	.03	.03	.03	.03	.03	.03	.04	.05	.05	.06	.06	.07	.07		.06	.06	.06	.05	.06	.06	.06	.05	.03	.048	23	.07
2	.02	.02	.02	.02	.05	.05	.06	.04	.04	.04	.04	.03	.03	.03				.05	.03	.04	.04	.03	.03	.03	.034	21	.06
3	.03	.03	.03	.03	.02	.02	.03	.03		.04	.05	.07	.06	.07		.08	.08	.07	.07	.07	.06	.07	.06	.07	.051	22	.09
4	.06	.06	.06	.05	.04	.03	.03	.03	.03	.03	.03	.04	.05	.06		.06	.06	.06	.07	.07	.07	.06	.06	.06	.050	23	.07
5	.06	.05	.04	.04	.05	.04	.04	.05	.07	.07	.08	.09				.11	.10	.09	.08	.08	.07	.07	.07	.07	.066	21	.11
6	.07	.07	.06	.06	.07	.07	.09	.11	.14	.12	.11	.11	.12	.12		.12	.13	.13	.12	.12	.11	.11	.10	.09	.102	23	.16
7*	.09	.08	.08	.08	.08	.09	.09	.10	.10	.11	.12	.12	.14	.14						.11	.12	.08	.11	.10	.101	19	.15
8*	.08	.05	.05	.04	.04	.04	.03	.03	.03	.04	.05	.04	.05	.05		.05	.06	.06	.06	.06	.06	.07	.07	.05	.050	23	.09
9	.04	.03	.03	.04	.04	.04	.05	.05	.05	.06	.07	.07	.06	.07				.06	.05	.05	.05	.04	.04	.04	.048	21	.08
10	.05	.05	.05	.05	.05	.06	.08	.10		.11	.10	.10	.11	.11				.09	.09	.09	.09	.09	.09	.09	.082	20	.13
11	.07	.06	.06	.06	.06	.08	.09	.11	.12	.13	.16	.17	.20	.18		.10	.10	.09	.08	.08	.07	.05	.05	.04	.095	23	.22
12	.04	.03	.03	.03	.04	.04	.05	.10	.15	.14	.12	.13	.12	.11			.10	.10	.09	.08	.07	.07	.06	.06	.079	22	.16
13	.06	.07	.07	.07	.05	.04	.04	.05	.06	.07	.07	.08	.08	.08		.07	.07	.06	.05	.06	.05	.05	.05	.05	.061	23	.09
14*	.06	.05	.04	.04	.04	.04	.04	.05	.05	.05	.06	.06	.07	.07		.06	.06	.06	.06	.05	.05	.05	.04	.04	.051	23	.10
15*	.04	.04	.03	.03	.03	.02	.03	.03	.03	.03	.03	.04	.04	.04		.05	.06	.05	.04	.04	.04	.03	.04	.04	.036	23	.06
16	.04	.04	.04	.04	.05	.05	.05	.06	.05	.06	.06	.08	.08	.08		.08	.07	.07	.07	.07	.06	.06	.06	.06	.060	23	.09
17	.06	.06	.07	.06	.06	.05	.06	.07		.07	.09	.09	.09	.10			.05	.04	.04	.04	.04	.06	.06	.06	.062	21	.10
18	.07	.07	.06	.05	.04	.05	.06	.09	.08	.06	.07	.09	.09	.07		.06	.07	.06	.05	.05	.04	.04	.05	.06	.061	23	.10
19	.05	.05	.05	.05	.05	.07	.13	.15	.17	.14	.19	.16	.15	.09		.08	.08	.08	.07	.07	.07	.06	.06	.06	.092	23	.21
20	.05	.05	.04	.04	.05	.05	.06	.07	.08	.08	.09	.08	.08	.09		.09	.09	.07	.07	.07	.06	.07	.06	.05	.066	23	.10
21*	.04	.03	.03	.03	.03	.04	.05	.05	.06	.06	.06	.07	.07	.07		.07	.07	.06	.06	.08	.08	.10	.09	.09	.060	23	.10
22*	.08	.07	.06	.06	.05	.04	.04	.06	.06	.06	.06	.08	.08	.07		.06	.06	.06	.06	.06	.05	.05	.05	.04	.057	23	.09
23	.03	.03	.03	.03	.03	.03	.04	.06	.06	.06	.06	.06	.07	.08											.049	14	.09
24																											
25																											
26																											
27																											
28*																											
29*																											
30																											
31																											
MEAN	.05	.05	.05	.04	.04	.05	.05	.07	.07	.07	.08	.08	.09	.08		.07	.07	.07	.06	.07	.06	.06	.06	.06	.064		
NO	23	23	23	23	23	23	23	23	20	23	23	23	22	22		16	18	21	21	22	22	22	22	22		503	
MAX	.09	.08	.08	.08	.08	.09	.13	.15	.17	.14	.19	.17	.20	.18		.12	.13	.13	.12	.12	.12	.11	.11	.10	.102		.22

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-29.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

CHICAGO, ILL.

NITROGEN DIOXIDE
AUG. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX
1																											
2																											
3	.03	.03	.03	.03	.03	.03	.04	.05	.05	.08	.10	.05	.05	.05		.05	.05	.05	.05	.05	.04	.04	.04	.04	.046	23	.10
4*	.04	.03	.03	.03	.02	.02	.02	.03	.03	.04	.04	.04	.04	.07		.04	.04	.04	.03	.03	.03	.03	.03	.03	.033	23	.09
5*	.03	.03	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.04	.04		.04	.04	.04	.04	.04	.04	.03	.03	.03	.031	23	.05
6	.02	.02	.01	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.02		.04	.04	.03	.03	.03	.03	.03	.03	.03	.022	23	.04
7	.03	.02	.02	.02	.02	.02	.02	.05	.04	.02	.02	.04	.04	.05		.05	.07	.08	.07	.06	.05	.04	.04		.038	22	.09
8																											
9	.02	.02	.02	.01	.02	.02	.02	.02	.05	.05	.04	.04	.03	.03			.03	.03	.02	.02	.02	.02	.03	.02	.026	22	.06
10	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.04	.04	.04		.04	.04	.04	.03	.03	.03	.03		.04	.029	22	.05
11*	.04	.04	.04	.04	.04	.05	.07	.08	.08	.08	.07	.06	.06	.06		.05	.05	.05	.05	.05	.05	.05	.05	.04	.053	23	.09
12*	.04	.04	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.031	23	.04
13	.03	.03	.03	.02	.02	.03	.03	.03	.03	.03	.04	.04	.04	.05		.04	.04	.04	.03	.03	.03	.03	.03	.03	.032	23	.05
14	.02	.03	.02	.02	.02	.03	.03	.03	.03			.03	.03	.04		.03	.04	.04	.04	.04	.03	.04	.04	.04	.031	21	.05
15	.03	.03	.04	.05	.05	.05	.07	.08	.11	.07	.07	.06	.06	.07		.06	.06	.06	.05	.05	.05	.04	.04	.04	.056	23	.11
16	.04	.04	.04	.04	.04	.04	.05	.05	.06	.07	.06	.06	.05	.06		.04	.03	.05	.05	.04	.04	.05	.05	.04	.047	23	.07
17	.04	.03	.04	.03	.03	.03	.03	.04	.05	.04	.04	.04	.05					.03	.03	.03	.04	.04	.05	.05	.037	20	.05
18*	.04	.04	.04	.04	.03	.04	.05	.06	.07	.06	.07	.06	.07	.09		.05	.05	.05	.05	.05	.05	.05	.05	.05	.052	23	.10
19*	.05	.05	.04	.04	.04	.03	.03	.03	.03	.03	.04	.04	.04	.04		.04	.04	.04	.04	.04	.03	.03	.03	.03	.037	23	.05
20	.03	.02	.03	.02	.03	.03	.03	.03	.05	.04	.07	.06	.07	.07											.042	14	.09
21																											
22																											
23	.03	.02	.03	.03	.03	.03	.03	.04	.05	.04	.05	.06	.07	.07		.06	.06	.06	.05	.04	.03	.03	.03	.03	.048	14	.08
24	.03	.02	.03	.03	.03	.03	.04	.04	.06	.06	.06	.06	.05	.04		.04	.04	.04	.04	.04	.04	.04	.04	.04	.039	23	.07
25*	.02	.02	.02	.02	.02	.01	.02	.02	.02	.05	.04	.04	.03	.03		.03	.03	.03	.02	.03	.03	.04	.04	.02	.033	23	.06
26*	.02	.02	.02	.02	.02	.02	.03	.03	.03	.02	.03	.02	.02	.03		.03	.03	.03	.03	.03	.03	.03	.02	.02	.023	23	.04
27	.02	.02	.02	.02	.02	.02	.03	.03	.03	.04	.04	.04	.04	.05		.04	.04	.04	.04	.04	.04	.04	.04	.04	.034	23	.05
28	.04	.04	.04	.04	.04	.04	.05	.07	.09	.07	.06	.06	.07	.10		.09	.07	.06	.05	.04	.04	.04	.03	.03	.055	23	.11
29	.03	.02	.02	.02						.06	.06	.06	.05			.05	.06	.06	.06	.07	.07	.07	.06	.06	.051	17	.07
30	.06	.06	.06	.06	.06	.06	.07	.08	.08	.09	.10	.09	.08	.08		.05	.06	.05	.07	.06	.05	.05	.05	.05	.065	23	.11
	.05	.04	.04	.04	.04	.04	.05	.06	.08	.07	.06	.06	.05	.05		.05	.05	.05	.06	.06	.06	.05	.05	.05	.052	23	.09
31	.05	.04	.04	.04	.04	.03	.03	.04	.04	.03	.04	.04	.04	.04		.04	.04	.04	.04	.04	.04	.03	.03	.03	.037	23	.05
MEAN	.03	.03	.03	.03	.03	.03	.03	.04	.05	.05	.05	.05	.05	.05		.04	.05	.04	.04	.04	.04	.04	.04	.04	.040		
NO	26	26	26	26	25	25	25	25	25	26	26	27	27	25		24	25	26	26	26	26	25	25			589	
MAX	.06	.06	.06	.06	.06	.06	.07	.08	.11	.09	.10	.09	.08	.10		.09	.07	.08	.07	.07	.07	.07	.06	.06	.065		.11

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-30.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
SEPT. 1962

DAY OF MONTH	A M												P M												DAILY MEAN	NO OF HRS	5-MIN MAX
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12			
1*	.03	.03	.03	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.028	23	.03
2*	.03	.03	.03	.02	.02	.02	.02	.03	.03	.03	.03	.04	.04	.04		.04	.04	.04	.04	.04	.04	.04	.04	.04	.033	23	.05
3	.03	.02	.03	.03	.03	.03	.03	.03	.04	.04	.04	.05	.05	.05		.04	.04	.04	.04	.04	.04	.03	.03	.03	.036	23	.06
4	.03	.03	.02	.02	.02	.02	.02	.04		.08	.08	.07	.08	.08			.04	.04	.03	.02	.02	.02	.02	.02	.037	21	.09
5	.02	.03	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03		.03	.03	.03	.02	.02	.02	.02	.02	.03	.025	23	.04
6	.03	.03	.02	.03	.03	.03	.03	.04	.04	.04	.04	.04	.04	.04		.03	.03	.03	.03	.03	.03	.04	.04	.04	.034	23	.05
7	.03	.04	.03	.03	.03	.04	.04	.04	.06	.05	.05	.05	.05	.05		.05	.05	.05	.05	.05	.05	.05	.04	.04	.044	23	.06
8*	.04	.04	.04	.04	.04	.04	.04	.04	.05	.05	.05	.05	.06	.06		.05	.05	.05	.04	.04	.04	.03	.03	.03	.044	23	.07
9*	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.02	.03	.03		.03	.03	.03	.03	.03	.03	.03	.03	.02	.025	23	.04
10	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03		.02	.02	.02	.02	.02	.02	.02	.02	.02	.021	23	.03
11	.02	.02	.01	.01	.01	.02	.02	.03		.04	.04	.04	.05	.05		.04	.04	.04	.04	.04	.04	.04	.04	.03	.032	22	.05
12	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.05	.05	.04	.04		.05	.05	.05	.04	.04	.04	.04	.03	.03	.037	23	.05
13	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.04		.03	.04	.03	.03	.03	.02	.02	.02	.02	.025	23	.04
14	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.04	.05		.03	.04	.03	.03	.03	.03	.03	.03	.03	.028	23	.06
15*	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.05		.04	.05	.05	.04	.04	.04	.04	.03	.03	.036	23	.05
16*	.03	.04	.04	.03	.03	.03	.03	.03	.05				.06	.07		.10	.11	.10	.11	.09	.08	.08	.06	.05	.060	20	.11
17	.04	.04	.03	.03	.03	.03	.03	.03	.04		.04	.04	.04	.04		.04	.04	.04	.04	.03	.03	.03	.03	.03	.034	22	.04
18	.03	.03	.02	.03	.03	.03	.04	.05			.06	.05	.05	.05		.04	.04	.04	.04	.04	.03	.03	.03	.03	.037	21	.08
19	.03	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	.03		.03	.03	.03	.03	.03	.03	.03	.03	.02	.028	23	.04
20	.02	.02	.02	.02	.02	.02	.03	.03	.04	.04	.04	.05	.05	.05		.04	.04	.04	.04	.03	.03	.03	.03	.03	.033	23	.06
21	.04	.04	.03	.03	.03	.03	.04	.05	.05	.06	.06	.05	.05	.05			.06	.06	.07	.07	.06	.06	.05	.06	.049	22	.07
22*	.06	.06	.05	.05	.05	.04	.04	.06	.06	.05	.05	.05	.05	.05		.04	.04	.03	.03	.03	.03	.03	.03	.03	.043	23	.07
23*	.03	.03	.02	.02	.02	.02	.02	.03	.03	.04	.10	.05	.06	.07		.06	.06	.05	.05	.05	.04	.04	.04	.04	.041	23	.12
24	.04	.04	.03	.03	.03	.04	.04	.05	.06	.06	.06	.05	.05	.05		.05	.05	.05	.04	.04	.04	.04	.03	.03	.043	23	.06
25	.03	.03	.02	.02	.03	.03	.03	.03		.04	.04	.04	.04	.04			.04	.04	.04	.04	.04	.04	.04	.03	.034	21	.05
26	.03	.04	.04	.04	.04	.04	.05	.05	.07	.06	.06	.04					.06	.07	.07	.07	.06	.06	.05	.06	.053	20	.08
27	.06	.06	.05	.04	.04	.04	.04	.05	.05	.05	.05	.06	.06	.06			.04	.04	.04	.04	.04	.03	.03	.03	.046	22	.06
28	.03	.03	.03	.03	.03	.03	.03	.03	.04	.05	.04	.04	.04	.05		.03	.04	.04	.04	.04	.04	.04	.04	.04	.036	23	.05
29*	.04	.04	.03	.04	.04	.04	.05	.06	.07	.05	.05	.06	.07	.07		.06	.06	.06	.06	.06	.06	.06	.06	.07	.054	23	.08
30*	.06	.06	.05	.05	.05	.05	.05	.05	.05	.06	.05	.04	.05	.05		.06	.06	.06	.06	.06	.06	.05	.05	.05	.053	23	.07
MEAN	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.05	.04	.05	.05		.04	.04	.04	.04	.04	.04	.04	.04	.03	.037		
NO.	30	30	30	30	30	30	30	30	26	27	29	29	29	29		25	30	30	30	30	30	30	30	30		674	
MAX.	.06	.06	.05	.05	.05	.05	.05	.06	.07	.08	.10	.07	.08	.08		.10	.11	.10	.11	.09	.08	.08	.06	.07	.060		.12

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-31.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
OCT. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.04	.05	.04	.04	.04	.04	.04	.05	.05	.04	.04	.05	.05	.06		.06	.06	.06	.05	.05	.05	.05	.05	.05	.048	23	.06
2	.05	.05	.04	.04	.04	.05	.05	.05		.05	.06	.06	.06	.06				.04	.04	.04	.03	.03	.03	.03	.044	20	.06
3	.03	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03		.04	.04	.04	.04	.04	.04	.04	.04	.04	.031	23	.04
4	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.03		.04	.04	.04	.04	.04	.04	.04	.04	.03	.034	23	.04
5	.03	.03	.04	.04	.04	.04	.03	.04	.06	.08	.10	.07	.06	.07		.05	.05	.05	.05	.05	.05	.05	.05	.05	.051	23	.11
6*	.05	.05	.05	.05	.04	.04	.04	.04	.04	.04	.04	.04	.05	.06		.05	.05	.05	.05	.04	.04	.04	.04	.04	.044	23	.06
7*	.04	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02		.02	.02	.02	.02	.02	.03	.03	.02	.02	.023	23	.04
8	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03		.03	.03	.03	.03	.03	.03	.02	.02	.02	.025	23	.03
9	.02	.02	.02	.02	.02	.02	.02	.03	.04		.03	.04	.04	.04		.05	.06	.07	.05	.06	.08	.08	.07	.06	.042	22	.08
10	.06	.06	.04	.04	.04	.04	.04	.05	.09	.07	.07	.06	.06	.06		.03	.03	.04	.03	.04	.03	.03	.03	.03	.046	23	.10
11	.03	.03	.02	.02	.02	.02	.02	.02	.02						.03	.03	.03	.03	.03	.03	.03	.03	.02	.02	.025	19	.03
12	.02	.01	.01	.01	.01	.01	.02	.03	.03	.03	.03	.03	.03		.03	.03	.03	.03	.03	.03	.02	.02	.02	.02	.023	23	.04
13*	.03	.02	.02	.02	.02	.02	.02	.03	.03	.04	.04	.04	.05		.04	.05	.05	.04	.04	.04	.04	.04	.04	.03	.033	23	.05
14*	.03	.03	.02	.02	.02	.02	.02	.02	.03	.03	.02	.02	.03		.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.024	23	.03
15	.02	.02	.02	.02	.01	.01	.02	.02	.02	.02	.03	.03	.04		.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.022	23	.04
16	.01	.01	.01	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03		.03	.03	.03	.03	.03	.03	.02	.02	.02	.023	23	.04
17	.02	.02	.02	.02	.02	.02	.03	.03	.04	.05			.04	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.029	21	.06
18	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.01			.03	.03	.03	.03	.03	.03	.03	.03	.026	22	.04
19	.03	.03	.02	.02	.02	.02	.02	.02	.04	.05	.05	.05	.05	.05	.01		.06	.06	.05	.06	.05	.05	.05	.05	.040	23	.07
20*	.04	.03	.03	.02	.02	.03	.03	.03	.04	.04	.04	.04	.03	.03			.03	.03	.03	.03	.03	.02	.02	.02	.030	22	.05
21*	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.02	.02	.02	.02		.02	.02	.02	.02	.02	.01	.01	.01	.01	.019	23	.03
22	.01	.01	.01	.01	.01	.01	.02	.02	.03	.04	.04	.03	.04	.03		.02	.02	.02	.02	.02	.02	.02	.01	.01	.020	23	.05
23	.01	.01	.01	.01	.01	.01	.01	.01			.03	.02	.02	.02		.03	.03	.03	.02	.02	.02	.03	.03	.03	.019	21	.03
24	.03	.03	.03	.03	.04	.04	.04	.04	.04	.03	.03	.03					.04	.04	.04	.04	.05	.04	.04	.04	.037	20	.05
25	.03	.03	.03	.02	.03	.03	.03	.03	.04	.03	.03	.02	.02	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.029	23	.04
26	.03	.03	.03	.03	.03	.03	.04	.04	.05	.05	.05	.04	.04	.04											.037	14	.05
27*											.03	.03	.04	.04		.04	.04	.05	.05	.05	.04	.04	.04	.03	.040	13	.05
28*	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03		.03	.02	.02	.02	.02	.02	.02	.02	.02	.024	23	.03
29	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.02	.03	.03	.03		.03	.03	.04	.04	.04	.04	.03	.03	.03	.028	23	.04
30	.03	.03	.04	.03	.03	.04	.05	.05	.05			.04	.04	.04		.05	.06	.05	.05	.04	.04	.04	.03	.03	.040	21	.06
31	.03	.03	.03	.03	.03	.03	.03	.03			.03	.03	.03	.03		.02	.03	.03	.03	.03	.03	.03	.03	.03	.029	21	.03
MEAN	.03	.03	.03	.02	.02	.03	.03	.03	.04	.04	.04	.04	.04	.04		.03	.04	.04	.03	.03	.03	.03	.03	.03	.032		
NO	30	30	30	30	30	30	30	30	27	25	28	29	29	25	6	25	29	30	30	30	30	30	30	30		673	
MAX	.06	.06	.05	.05	.04	.05	.05	.05	.09	.08	.10	.07	.06	.07	.04	.06	.06	.07	.05	.06	.08	.08	.07	.06	.051		.11

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-32.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
NOV. 1962

DAY OF MONTH	A M												P M												DAILY MEAN	NO OF HRS	5-MIN MAX
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12			
1	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	.03	.03		.03	.03	.03	.03	.03	.03	.03	.02	.03	.027	23	.03
2	.03	.03	.03	.02	.03	.03	.03	.03	.04	.04	.05	.04	.04	.04		.04	.04	.04	.03	.03	.03	.03	.04	.04	.034	23	.05
3*	.03	.03	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.030	23	.04
4*	.03	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03		.03	.03	.03	.03	.02	.02	.02	.02	.02	.024	23	.04
5	.02	.02	.02	.02	.02	.03	.03	.03	.04	.03	.04	.04	.03	.03		.03	.03	.03	.03	.02	.02	.03	.04	.04	.029	23	.04
6	.04	.04	.04	.03	.03	.03	.03	.04	.04	.04	.04	.03	.03	.03		.03	.03	.04	.03	.03	.04	.04	.03	.03	.034	23	.04
7	.03	.03	.02	.02	.02	.02	.02	.02	.02		.03	.02	.02	.02		.02	.02	.02	.02	.02	.02	.02	.02	.02	.021	22	.03
8	.02	.02	.02	.02	.02	.02	.03	.03				.03	.03	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.028	20	.06
9	.05	.04	.04	.04	.03	.03	.04	.04	.04	.03	.03	.03	.03	.04		.04	.04	.04	.04	.03	.03	.03	.03	.03	.035	23	.06
10*	.03	.04	.03	.03	.04	.04	.03	.03	.03	.05	.05	.04	.05	.06		.04	.04	.04	.03	.03	.03	.03	.03	.03	.037	23	.06
11*	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03		.04	.04	.04	.04	.04	.04	.04	.04	.03	.03	.033	23	.04
12	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.05	.04		.04		.04	.04	.04	.04	.04	.03	.04	.04	.05	.035	22	.07
13	.05	.05	.04	.04	.05	.04	.04	.05	.05	.06		.06	.04	.04		.05	.04	.04	.03	.03	.03	.04	.04	.04	.042	22	.07
14	.04	.04	.04	.03	.03	.03	.03	.03	.03	.05	.05	.07	.07	.05		.04	.06	.06	.05	.05	.05	.05	.05	.05	.045	23	.08
15	.05	.04	.04	.04	.05	.05	.05	.05	.05	.05	.05	.06	.07	.06		.06	.03	.05	.05	.04	.04	.03	.03	.03	.046	23	.07
16	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03		.03	.03	.03	.03	.03	.03	.02	.02	.02	.029	23	.04
17*	.03	.03	.03	.02	.02	.03	.03	.03	.03	.04	.04	.03	.03	.03		.03	.03	.03	.03	.03	.04	.04	.04	.03	.031	23	.04
18*	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04		.04	.04	.04	.04	.04	.03	.03	.03	.03	.033	23	.04
19	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.05		.05	.05	.04	.04	.04	.04	.04	.03	.03	.036	23	.09
20	.03	.03	.03	.03	.03	.03	.03	.03	.03		.04	.03	.03	.04		.03	.03	.04	.04	.04	.03	.03	.03	.03	.031	22	.05
21	.03	.03	.03	.03	.03	.04	.04	.03	.03	.04	.04	.04	.04	.04		.04	.04	.04	.04	.03	.03	.03	.03	.03	.034	23	.06
22	.03	.03	.03	.02	.02	.02	.02	.03	.03	.03	.03	.02	.02	.02		.02	.03	.03	.03	.03	.03	.03	.03	.03	.026	23	.04
23	.03	.03	.03	.03	.03	.04	.04		.04	.03	.03	.03	.03	.03		.04	.04	.03	.03	.03	.03	.03	.03	.03	.031	22	.04
24*	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.05	.05	.06	.06		.04	.05	.04	.05	.03	.04	.04	.04	.04	.041	23	.07
25*	.04	.05	.04	.04	.04	.04	.04	.04	.04	.05	.06	.07	.05	.04		.05	.04	.04	.04	.04	.05	.05	.06	.05	.046	23	.08
26	.04	.04	.04	.03	.04	.04	.04	.04	.05	.05	.06	.06	.05	.05		.05	.05	.04	.04	.05	.04	.04	.04	.04	.044	23	.06
27	.05	.05	.04	.04	.04	.04							.05	.04	.03	.03	.04	.04	.04	.04	.03	.03	.03	.03	.038	18	.06
28	.04	.03	.04	.04	.04	.03	.03	.04	.04	.04	.05	.08	.10	.10		.06	.06	.06	.06	.05	.04	.04	.05	.05	.051	23	.11
29	.05	.05	.05	.05	.05	.05	.07	.07	.08	.08	.08	.07	.05	.05				.06	.06	.06	.05	.05	.05	.05	.058	21	.08
30	.05	.04	.04	.04	.04	.05	.06	.06	.09	.10	.11	.19	.17	.15		.09	.08	.07	.06	.06	.06	.06	.06	.06	.076	23	.20
MEAN	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.05	.05	.04		.04	.04	.04	.04	.04	.03	.03	.04	.04	.037		
NO.	30	30	30	30	30	30	29	28	28	26	27	29	29	29	2	29	29	30	30	30	30	30	30	30		675	
MAX.	.05	.05	.05	.05	.05	.05	.07	.07	.09	.10	.11	.19	.17	.15	.04	.09	.08	.07	.06	.06	.06	.06	.06	.06	.076		.20

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-33.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
DEC. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	.08	.07	.06	.06	.06	.05	.06	.07	.08	.10	.10	.16	.17	.18		.08	.07	.07	.06	.06	.06	.06	.07	.07	.082	23	.20
2*	.07	.07	.06	.05	.05	.06	.06	.06	.06	.07	.08	.09	.07	.08		.07	.07	.07	.07	.07	.07	.07	.08	.07	.068	23	.09
3	.07	.07	.06	.06	.06	.06	.08	.08	.08	.09	.10	.10	.08	.08			.05	.06	.05	.05	.05	.05	.06	.06	.068	22	.10
4	.05	.05	.05	.04	.04	.06	.06	.06	.05		.06	.05	.06	.05		.04	.03	.03	.03	.03	.03	.03	.03	.03	.044	22	.09
5	.03	.02	.02	.02	.02	.02	.03	.03	.03	.04	.04	.03	.03	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.028	23	.04
6	.03	.02	.02	.02	.02	.03	.03	.03	.04	.04	.04	.04	.04	.04		.04	.04	.04	.04	.03	.03	.03	.03	.03	.032	23	.04
7	.03	.03	.02	.02	.02	.03	.03	.03	.04	.04	.03	.03	.03	.03		.03	.03	.04	.04	.04	.04	.03	.03	.04	.031	23	.04
8*	.03	.03	.03	.03	.03	.03	.02	.02	.03	.03		.03	.03	.03		.03	.04	.03	.03	.03	.03	.03	.03	.03	.029	22	.04
9*	.03	.03	.03	.03	.02	.02	.03	.03	.03	.03	.03	.03	.03	.03		.04	.04	.04	.04	.03	.03	.03	.04	.04	.031	23	.04
10	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.03	.03	.03	.03		.03	.03	.04	.04	.03	.03	.03	.03	.03	.031	23	.04
11	.03	.03	.03	.03	.02	.02	.03	.03	.03		.03	.03	.03	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.029	22	.04
12	.03	.03	.03	.02	.02	.02	.03	.03	.03	.04	.04	.04	.04	.04		.03	.04	.03	.03	.03	.03	.03	.03	.03	.031	23	.05
13	.03	.03	.03	.03	.03	.03	.03	.03	.04	.05	.03	.04	.04	.04			.03	.03	.03	.03	.03	.03	.03	.03	.033	22	.06
14	.03	.03	.03	.03	.03	.03	.03	.04	.05	.06	.06	.07	.05	.07		.05	.06	.05	.04	.05	.04	.04	.04	.03	.044	23	.07
15*	.05								.03	.03	.04	.03	.03	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.032	16	.08
16*	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03		.02	.03	.03	.03	.02	.02	.02	.02	.02	.023	23	.04
17	.02	.02	.02	.02	.02	.02	.02	.02	.03		.05	.06	.08	.08		.08	.08	.08	.06	.05	.05	.04	.04	.04	.043	22	.09
18	.05	.03	.03	.02	.02	.02	.02	.02	.02	.03				.04	.05	.06	.05	.05	.05	.05	.05	.05	.05	.04	.038	21	.06
19	.04	.04	.03	.03	.03	.03	.03	.02	.03	.03	.03	.03	.03	.03		.03	.03	.03	.03	.03	.03	.03	.02	.02	.028	23	.04
20	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03		.03	.03	.04	.04	.04	.04	.05	.03	.03	.029	23	.05
21	.03	.03	.03	.02	.02	.02	.03	.03	.04	.04			.03	.03	.03	.03	.04	.04	.04	.04	.03	.04	.04	.04	.032	22	.04
22*	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04		.04	.03	.03	.03	.03	.02	.02	.01	.02	.029	23	.05
23*	.02	.01	.02	.02	.02	.02	.02	.02	.02	.02	.03	.02	.03	.02		.03	.03	.03	.03	.03	.03	.03	.04	.03	.024	23	.04
24	.03	.03	.03	.03	.03	.03	.03	.03	.04	.05	.05	.05	.04	.04		.04	.04	.04	.04	.04	.03	.03	.03	.03	.036	23	.05
25	.03	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02		.02	.02	.02	.02	.02	.02	.02	.02	.02	.023	23	.04
26	.02	.02	.02	.02	.02	.02	.02	.03	.03									.05	.04	.04	.04	.04	.04	.03	.030	16	.05
27	.03	.04	.04	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04		.04	.04	.04	.04	.03	.03	.03	.03	.03	.034	23	.04
28	.03	.03	.04	.04	.04	.04	.04	.04	.04	.05	.05	.05	.06	.05		.05	.05	.05	.05	.05	.05	.05	.04	.04	.044	23	.09
29*	.04	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.03	.03	.03		.04	.04	.04	.04	.03	.03	.03	.03	.03	.033	23	.04
30*	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.03	.03	.03		.03	.03	.04	.04	.04	.04	.04	.04	.04	.034	23	.04
31	.04	.03	.02	.02	.02	.02	.02	.02	.03			.02	.02	.02		.03	.03	.03	.03	.03	.03	.03	.03	.03	.026	21	.04
MEAN	.04	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.04		.04	.04	.04	.04	.04	.04	.04	.03	.03	.036		
NO	31	30	30	30	30	30	30	30	31	26	26	28	29	30	2	28	30	31	31	31	31	31	31	31		688	
MAX	.08	.07	.06	.06	.06	.06	.08	.08	.08	.10	.10	.16	.17	.18	.05	.08	.08	.08	.07	.07	.07	.07	.08	.07	.082		.20

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-34.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM

CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
JAN. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.20	.19	.20	.20	.19	.17	.18	.19	.20	.23	.23	.20	.32	.39	.29	.28	.26	.24	.32	.30	.22	.20	.25		.236	23	.52
2												.18	.21	.32	.26	.31	.25	.31	.28	.38	.39	.39	.36	.33	.304	13	.41
3	.21	.21	.15	.15	.15	.16	.16	.16	.14	.27	.23	.28	.33	.40	.36	.31	.22	.24	.19	.32	.21	.15	.14	.11	.218	24	.45
4	.12	.15	.14	.14	.13	.10	.07	.06	.13	.21	.19	.10	.10	.12	.15	.16	.14	.12	.11	.10	.09	.08	.08	.10	.120	24	.22
5	.10	.09	.09	.11	.15	.14	.15	.16	.14	.14	.15	.16	.14	.12	.15	.16	.15	.19	.17	.14	.12	.12	.11	.09	.134	24	.21
6*	.09	.09	.07	.07	.07	.05	.05	.05	.05	.05	.05	.07	.08	.08	.07	.07	.10	.10	.11	.11	.11	.07	.07	.07	.074	24	.16
7*	.07	.06	.06	.10	.10	.10	.09	.09	.10	.10	.10	.11	.15	.15	.15	.15	.10	.10	.11	.11	.13	.12	.08	.09	.104	24	.16
8	.10	.11	.11	.11	.11	.12	.11	.10	.09	.10	.15	.11	.10	.10	.09	.09	.09	.09	.09	.09	.08	.08	.07	.07	.098	24	.20
9	.07	.07	.07	.07	.07	.07	.07	.07	.09	.09	.09	.08	.09	.09	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08	.079	24	.13
10	.08	.08	.08	.08	.08	.08	.08	.08	.08	.10	.12	.12	.13	.15	.14	.13			.24	.24	.23	.17	.27	.25	.137	22	.33
11	.17	.19	.16	.14	.17	.17	.16	.18	.17	.23	.33				.42	.34	.32	.29	.32	.29	.33	.28	.37	.35	.255	21	.48
12	.33	.30	.29									.33	.41	.39	.33	.38	.31	.38	.29	.27	.25	.26	.28	.30	.317	16	.46
13*	.23											.18	.19	.19	.18	.17	.16	.16	.14	.12	.11	.11	.10	.10	.153	14	.29
14*	.11	.12	.13	.13	.15	.14	.12	.13	.17	.18	.14	.10	.09	.09	.09	.09	.10	.11	.11	.11	.07	.06	.06	.06	.111	24	.18
15																											
16	.17	.16	.15	.14	.15	.18	.20	.21	.22	.27	.29				.21	.25	.26	.26							.208	15	.31
17										.22	.25	.28	.26	.24	.24	.22		.18	.20	.21	.22	.24	.23	.25	.230	14	.28
18	.25	.24	.24	.24	.24	.24	.33	.36	.41	.52	.52	.51	.46	.46	.34	.36	.37	.35	.36	.37	.37	.34	.34	.34	.357	24	.53
19																											
20*	.23	.23	.23	.23	.23	.23	.23	.25	.25	.25	.26	.27	.28	.40	.44	.32	.22	.17	.18	.17	.17	.17	.16		.241	23	.48
21*																											
22																											
23																											
24																											
25																											
26																											
27*																											
28*																											
29																											
30																											
31																											
MEAN	.16											.19	.21	.23	.22	.21	.20	.20	.19	.20	.19	.17	.18		.180		
NO	16	15	15	14	14	14	14	14	14	15	15	16	16	16	18	18	16	17	17	17	17	17	17	15		377	
MAX	.33	.30	.29	.24	.24	.24	.33	.36	.41	.52	.52	.51	.46	.46	.44	.38	.37	.38	.36	.38	.39	.39	.37	.35	.357		.53

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-35.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
FEB. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1																											
2																											
3*																											
4*																											
5																											
6																											
7																											
8																											
9																											
10*																											
11*																											
12																											
13																											
14																											
15																											
16																											
17*																											
18*																											
19																											
20																											
21																											
22																											
23																											
24*																											
25*																											
26																											
27																											
28																											
MEAN																									.000		.00
NO																											
MAX																											

NO VALID DATA

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-36.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
MARCH 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5 MIN MAX
1																											
2																											
3*																											
4*																											
5																											
6																											
7																											
8																											
9																											
10*																											
11*																											
12	.18	.22	.20	.25	.23	.23	.29	.26	.32	.26	.25	.20	.27	.42	.45	.32	.35	.20	.15	.23	.27	.39	.39	.36	.277	24	.54
13	.29	.17	.21	.11	.14	.17	.18	.17	.16				.11	.13	.12	.13	.11	.11	.09	.10	.11	.08	.08	.08	.135	21	.35
14	.09	.13	.11	.12	.13	.15	.18	.19	.17	.19	.17	.15	.15	.14	.13	.16	.15	.15	.11	.10	.11	.13	.11	.16	.140	24	.22
15	.19	.16	.21	.25	.15	.26	.33	.33	.21	.19	.20	.14	.15	.16	.15	.17	.16	.17	.15	.16	.14	.13	.14	.13	.183	24	.38
16	.11	.10	.13	.14	.25	.33	.35	.30	.29	.32	.23	.19	.15	.16	.14	.12	.13	.09	.12	.14	.15	.17	.16	.14	.183	24	.44
17*	.14	.13	.13	.13	.19	.25	.27	.28	.19	.16	.13	.11	.10	.09	.07	.08									.153	16	.30
18*												.46	.29	.18	.18	.08	.10	.11	.14	.18	.15	.15	.15	.11	.175	13	.54
19	.09	.11	.11	.11	.11	.16	.22	.26	.17	.13	.12	.11	.12	.12	.16	.16	.14	.07	.08	.13	.28	.27	.14	.12	.145	24	.32
20	.10	.09	.11	.13	.21	.30	.30	.30	.29	.16	.11	.08	.12	.14	.17	.11	.09	.08	.08	.08	.07	.08	.06	.06	.137	24	.36
21	.05	.03	.03	.03	.03	.07	.12	.13	.18	.21	.21	.21	.17	.14	.14	.13	.14	.15	.14	.15	.14	.15	.14	.13	.125	24	.22
22	.15	.16	.14	.14	.14	.19	.26	.31	.22	.20	.20	.25	.20	.17	.21	.16	.19	.18	.16	.16	.14	.14	.13	.12	.179	24	.34
23	.09	.07	.08	.07	.07	.12	.16	.27	.20	.13	.08	.05	.09	.13	.10	.16	.17	.22	.17	.16	.12	.12	.14	.13	.128	24	.33
24*	.15	.12	.10	.07	.08	.09	.17	.20	.21	.16	.18	.18	.14	.11	.10	.12	.12	.12	.10	.12	.11	.09	.06	.04	.122	24	.25
25*	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.06	.08	.11	.10	.08	.06	.06	.05	.05	.05	.04	.07	.10	.06	.049	24	.13
26	.04	.07	.09	.13	.13	.10	.13	.14			.13	.13	.12	.10	.12	.13	.13	.15	.15	.17	.17	.16			.123	20	.21
27											.20	.14	.10	.12	.14	.13	.10	.12	.11	.15	.17	.16	.18	.16	.140	14	.28
28	.12	.10	.10	.09	.10	.13	.13	.14	.13	.11	.10	.10	.07	.07	.07	.09	.08	.08	.08	.07	.06	.07	.09	.24	.099	24	.34
29																											
30		.18	.17	.17	.16	.16	.15	.15	.15	.15								.05	.05	.09	.08	.03	.02	.02	.112	16	.18
31*	.02	.01	.01	.01	.01	.01	.01	.02	.02	.03	.02	.03	.07	.10	.09	.05	.09	.07	.04	.04	.03	.03	.02	.02	.036	24	.12
MEAN	.11	.11	.11	.11	.13	.16	.19	.20	.18		.15	.15	.14	.14	.14	.13	.13	.12	.11	.13	.13	.13	.12	.12	.139		
NO.	16	17	17	17	17	17	17	17	16	15	16	17	18	18	18	18	17	18	18	18	18	18	17	17		412	
MAX	.29	.22	.21	.25	.25	.33	.35	.33	.32	.32	.25	.46	.29	.42	.45	.32	.35	.22	.17	.23	.28	.39	.39	.36	.277		.54

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-37.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
APRIL 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	.02	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.05	.04	.06	.05	.06	.06	.06	.07						.030	19	.09
2																											
3																											
4																											
5																											
6																											
7*																											
8*																											
9																											
10																											
11																											
12																											
13										.21	.18	.17	.15	.15	.14	.12	.12	.11	.10	.09	.09	.09	.11	.12	.130	15	.23
14*	.12	.12	.12	.12	.11	.14	.20	.19	.14	.11	.09	.08	.06	.06	.06	.08	.08	.08	.10	.08	.10	.11	.10	.11	.106	24	.22
15*	.09	.09	.09	.09	.10	.11	.15	.18	.18	.13	.11	.08		.09	.07	.07	.07	.07	.06	.06	.07	.07	.06	.05	.092	23	.19
16	.05	.05	.05	.05	.07	.34	.59	.31	.16	.18	.16	.16	.09	.11	.18	.10	.09	.09	.06	.02	.01	.01	.05	.26	.134	24	.62
17	.46	.32	.33	.34	.23	.40	.62	.46	.50	.64		.16	.12	.09	.09	.09	.07	.05	.08	.21	.26	.27	.09	.10	.259	23	.84
18	.11	.09	.13	.10	.11	.16	.35	.39	.27	.17	.09	.08	.11	.03	.03	.05	.04	.07	.13	.08	.12	.12			.128	22	.41
19											.07	.06	.06	.05	.05	.05	.04	.04	.04	.05	.06	.04	.03	.03	.047	14	.08
20	.03	.03	.02	.02	.03	.03	.04	.07	.09	.05	.03	.02	.02	.04	.06	.06	.04	.03	.02	.02	.02	.03	.19	.22	.050	24	.27
21*	.16	.13	.12	.12	.12	.11	.13	.18	.18	.14	.11	.09	.07												.127	13	.20
22*																											
23																											
24																											
25																											
26	.09	.13	.15	.15	.22	.20	.20	.41	.46	.39	.27	.15	.19	.11	.13	.20	.16	.25	.28	.24	.28	.23	.23	.23	.222	24	.55
27	.18	.17	.19	.17	.22	.20	.26	.49	.52						.10	.06	.05	.05	.05	.05	.05	.05	.05	.05	.156	19	.72
28*	.07	.07	.17	.09	.07	.08	.07	.09	.06	.05	.05	.06	.06	.03	.02	.02	.02	.02	.02	.02	.02	.02	02	.02	.050	24	.31
29*	.02	.02	.02	.02	.02	.07	.10	.11	.05	.05	.08	.08	.11	.04	.03	.03	.03	.08	.13	.13	.10	.04	.02	.02	.058	24	.14
30	.02	.02	.02	.02	.04	.13	.14	.09	.06	.19	.14	.12	.08	.07	.18	.15	.16	.15	.12	.09	.23	.23	.17	.08	.112	24	.40
MEAN	13	13	13	13	13	13	13	13	13	13	13	14	13	13	14	14	14	14	14	13	13	13	12	12		316	
NO	.46	.32	.33	.34	.23	.40	.62	.49	.52	.64	.27	.17	.19	.15	.18	.20	.16	.25	.28	.24	.28	.27	.23	.26	.259		.84
MAX																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-38.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
MAY 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX
1	.12	.06	.16	.11	.07	.13	.23	.10	.10	.04	.04	.04	.07	.05	.05	.04	.04	.04	.03	.06	.06	.06	.08	.08	.077	24	.30
2	.07	.06	.06	.06	.06	.10	.13	.17	.14	.07	.04	.03	.03	.03	.03	.03	.05	.07	.02	.03	.15	.16	.15	.13	.078	24	.19
3	.06	.05	.06	.11	.13	.17				.13	.05	.03	.02	.02	.02	.02	.02	.02	.03	.07	.06	.04	.03	.05	.057	21	.19
4			.09	.10	.10	.13	.13	.10	.10			.08	.03	.05	.05	.08	.04	.03	.03	.02	.02			.09	.069	18	.14
5*	.09	.07	.05	.04	.06	.11	.10	.12	.14	.12	.15	.07	.11	.07	.07	.07	.12	.12	.10	.11	.12	.08	.05	.02	.089	24	.24
6*	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.06	.04	.01	.01	.01	.01	.01	.01	.01	.01	.02	.019	24	.07
7	.07	.04	.05	.05	.04	.05	.05	.06	.07	.06	.06	.10	.10	.09	.08	.08	.05	.03	.02	.02	.06	.11	.06	.05	.060	24	.12
8	.08	.06	.06	.06	.07	.19		.08	.05	.05	.05	.04	.04	.04	.04	.07	.10	.08	.04	.03	.03	.03	.03	.03	.059	23	.24
9	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.03	.04	.07	.06	.05	.04	.04	.03	.02	.02	.034	24	.08
10	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.04	.02	.02	.02	.05	.04	.04	.05	.02	.01	.01	.01	.01	.01	.023	24	.07
11	.03	.05	.03	.04	.04	.05	.06	.06	.11	.12	.14	.12	.20	.14	.15	.08	.06	.07	.06	.10	.06	.04	.04	.02	.077	24	.25
12*	.02	.02	.01	.01	.01	.01	.05	.04	.08	.06	.11	.09	.06	.05	.04	.02	.02	.02	.02	.02	.02	.02	.02	.02	.034	24	.21
13*	.04	.03	.02	.02	.08	.07	.07	.15	.07	.05	.08	.07	.09	.08	.07	.08	.09	.18	.22	.29	.39	.33	.24	.10	.120	24	.40
14	.05	.05	.05	.06	.21	.22	.22	.32	.30	.25	.29	.15	.11	.12	.06	.09	.11	.13	.08	.22	.28	.10	.09	.07	.150	24	.38
15	.06	.12	.18	.19	.21	.25	.16	.13	.28	.34	.17			.13	.14	.17	.13	.11	.23	.20	.05	.07	.05	.04	.154	22	.45
16	.06	.06	.14	.07	.05	.05	.20	.37	.33	.37	.26	.14	.06	.04	.04	.04	.07	.05	.02	.02	.02	.06	.07	.04	.109	24	.51
17	.12	.15	.10	.10	.06	.08	.13	.14	.19	.15	.08	.10	.06	.07	.05	.07	.07	.06	.06	.16	.17	.12	.06	.18	.105	24	.57
18	.35	.05	.03	.02	.10	.22	.18	.13	.12	.32	.17	.14	.12	.11	.07	.03	.03	.03	.03	.03	.06	.17	.13	.06	.113	24	.76
19*	.06	.05	.05	.05	.05	.07	.13	.19	.16				.10	.08	.11	.13	.15	.21	.26	.27	.27	.23	.09	.07	.131	21	.32
20*	.07	.06	.12	.05	.04	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.039	24	.18
21	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.03	.03	.03	.03	.04	.09	.08	.05	.05	.04	.03	.03	.039	24	.09
22	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.023	24	.03
23	.03	.03	.03	.03	.03	.03	.08	.16	.10	.09	.07	.08	.07	.07	.03	.02	.02	.02	.02	.01	.01	.01	.01	.02	.044	24	.26
24	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.014	24	.03
25	.02	.02	.02	.08	.12	.16	.22	.21	.17	.09	.06	.05	.04	.03	.03	.06	.08	.06	.07	.05	.04	.03	.04	.05	.075	24	.26
26*	.03	.02	.02	.01	.01	.02	.07	.04	.03	.03	.02	.02	.03	.03	.03	.03	.03	.03	.06	.06	.05	.04	.05	.28	.043	24	.33
27*	.02	.02	.01	.01	.01	.01	.01	.01	.04	.03	.02	.01	.01	.01	.01	.02	.02	.03	.06	.07	.10	.18	.13	.07	.037	24	.18
28	.05	.05	.05	.05	.03	.03	.03	.03		.01	.05	.06	.03	.02									.02	.05	.037	15	.07
29	.05	.05	.06	.07	.07	.08	.07	.07	.06	.06	.06	.05	.05	.05		.16	.06	.15	.22	.06	.05	.05	.05	.05	.074	23	.49
30	.04	.03	.03	.03	.03	.03	.03	.03	.06	.27	.16	.15	.15	.11	.17	.14	.22	.12	.05	.05	.05	.05	.05	.16	.092	24	.47
31	.39	.15	.16	.26	.31	.22	.30	.09	.40	.35	.23	.13	.07	.04	.03	.02	.02	.02	.01	.01	.01	.01	.01	.01	.135	24	.58
MEAN	.07	.05	.06	.06	.07	.08	.10	.10	.11	.11	.09	.07	.06	.05	.05	.06	.06	.06	.06	.07	.08	.07	.06	.06	.071		
NO	30	30	31	31	31	31	29	30	29	29	29	29	30	31	29	30	30	30	30	30	30	29	30	31		719	
MAX	.39	.15	.18	.26	.31	.25	.30	.37	.40	.37	.29	.15	.20	.14	.17	.17	.22	.21	.26	.29	.39	.33	.24	.28	.154		.76

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-39.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
JUNE 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.01	.01	.01	.01	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.03	.05	.03	.010	24	.09
2*																											
3*																											
4							.03	.05	.05	.06	.27	.18	.10		.01	.01	.01	.19	.13	.10	.12	.17	.18	.10	.103	17	.42
5	.06	.06	.06	.06	.06	.06	.06	.05	.03	.02		.03	.03	.03			.08	.06	.05	.03	.03	.02	.02	.01	.043	21	.09
6	.01	.01	.01	.01	.01	.03	.02	.02	.02	.01	.02	.07	.06	.05	.04	.04	.03	.02	.02	.02	.02	.03	.03	.03	.025	24	.07
7	.03	.02	.02	.01	.01	.01	.01	.01	.01	.02	.02	.01	.01	.03	.05	.05	.05	.04	.04	.04	.04	.04	.03	.02	.026	24	.06
8	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.07	.11	.06	.04	.03	.04	.029	24	.14
9*	.04	.03	.03	.03	.03	.03	.04	.04	.05	.04	.04	.04	.04			.03	.03	.03	.09	.05	.05	.05	.05	.05	.041	22	.13
10*	.05	.04	.04	.07	.06	.03	.03	.03	.06	.04	.03	.03	.03	.03	.06	.06	.07	.09	.09	.11	.07	.10	.09	.09	.058	24	.19
11	.07	.13	.08	.08	.08	.14	.07	.05	.04	.04	.04	.04	.05	.05	.05	.03	.03	.03	.03	.03	.03	.02	.02	.02	.051	24	.19
12	.02	.02	.02	.02	.02	.02				.03	.03	.03			.03	.03	.02	.02	.02	.02	.02	.03	.03	.04	.024	19	.05
13	.06	.07	.05	.03	.04	.04	.03	.04	.04	.04	.03	.03	.03	.02	.02	.03	.03	.03	.03	.03	.04	.04	.04	.05	.036	24	.08
14	.06	.06	.05	.06	.12	.07	.08	.06	.05	.05	.04	.05	.05	.07	.09	.12	.26	.10	.04	.02	.03	.04	.05	.07	.069	24	.31
15	.20	.19	.16	.14	.13	.31	.31	.27	.22	.08	.12	.13	.08	.09	.08	.05	.04	.03	.04	.11	.08	.09	.07	.11	.131	24	.52
16*	.14	.09	.09	.08	.08	.11	.18	.18	.26	.16	.11	.15	.07	.08	.10	.12	.14	.09	.07	.12	.06	.13	.31	.24	.131	24	.44
17*	.05	.06	.06	.12	.10	.09	.12	.17	.20	.23	.20	.12	.17	.07	.11	.12	.04	.08	.23	.25	.12	.11	.08	.07	.123	24	.46
18	.17	.33	.22	.30	.25	.28	.33	.14	.20	.18	.15	.06	.04	.04	.05	.07	.02	.01	.01	.01	.02	.02	.02	.01	.121	24	.55
19	.02	.01	.02	.03	.06	.05	.06	.06		.02	.03	.02	.03	.07	.09	.07	.03	.02	.02	.01	.01	.04	.05	.09	.039	23	.12
20	.12	.11	.07	.06	.06	.07	.06	.05	.05	.05	.04	.03	.03	.02	.03	.02	.02	.02	.02	.02	.02	.03	.02	.07	.043	24	.14
21	.06	.07	.03	.06	.04	.05	.09	.08	.07	.02	.02	.02	.03	.03	.03	.03	.04	.06	.08	.05	.02	.02	.03	.04	.045	24	.14
22	.11	.14	.25	.20	.16	.15	.22	.42	.07	.11	.19	.11	.03	.03	.03	.03	.04	.05	.04	.02	.06	.10	.16	.19	.121	24	.54
23*	.18	.08	.02	.02	.04	.03	.02	.09	.09	.12	.10	.16	.06	.08	.13	.15	.05	.04	.03	.02	.03	.03	.04	.05	.069	24	.26
24*	.03	.02	.02	.04	.05	.07	.05	.04	.03	.03	.04	.04	.06	.05	.02	.02	.02	.02	.02	.02	.02	.02	.02	.04	.031	24	.11
25	.08	.15	.17	.18	.16	.08	.18	.17	.08	.20	.14	.09	.07	.06	.05	.04	.02	.02	.02	.02	.02	.02	.02	.02	.085	24	.32
26	.02	.02	.02		.02	.03	.03	.03		.03	.03	.01	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.02	.01	.017	22	.10
27	.00					.01	.01	.01	.00	.01	.01	.01	.01	.02	.02	.01	.01	.01	.01	.01	.00	.00	.00	.00	.008	20	.04
28	.01		.12	.11	.15	.16	.13	.06	.05	.07	.06	.07	.03	.01	.01	.01	.01	.01	.01	.01	.00	.00	.03	.06	.050	23	.22
29	.11	.16	.15	.11	.11	.21	.18			.17	.07	.08	.06	.03	.04	.07	.05	.00	.00	.01	.03	.03	.02	.01	.077	22	.47
30*	.04	.13	.18	.13	.12	.07	.04	.02	.02	.06	.07	.03	.06	.06	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.047	24	.28
MEAN	.06	.08	.08	.08	.08	.08	.09	.08	.07	.07	.07	.06	.05	.04	.05	.05	.04	.04	.04	.04	.04	.05	.05	.05	.059		
NO	27	25	26	25	26	27	27	26	24	28	27	28	27	25	26	27	28	28	28	28	28	28	28	28		645	
MAX	.20	.33	.25	.30	.25	.31	.33	.42	.26	.23	.27	.18	.17	.09	.13	.15	.26	.19	.23	.25	.12	.17	.31	.24	.131		.55

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-40.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
JULY 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1*	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.002	24	.01
2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02	.02	.02	.02	.004	24	.02
3	.08	.05	.06	.05	.04	.03		.04		.03	.03	.02	.01	.01	.01	.02	.02	.01	.00	.00	.00	.01	.03	.01	.024	22	.15
4																											
5																											
6										.09	.05	.03	.03	.03	.03	.03	.06	.04	.09	.06	.04	.03	.09	.08	.052	15	.20
7*	.02	.01	.01	.01	.01	.01	.03	.05	.07	.04	.03	.01	.04	.02	.02	.02	.02	.02	.02	.01	.01	.01	.02	.11	.026	24	.11
8*	.09	.05	.05	.07	.09	.09	.09	.05	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.027	24	.12
9	.00	.00	.00	.00	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.011	24	.03
10		.11	.11	.09	.07	.11	.10	.17			.10	.07	.03	.02	.06	.05	.07	.09	.09	.06	.18	.22	.20	.13	.101	21	.30
11	.06	.06	.11	.15	.21	.22	.10	.07	.04	.03	.04	.04	.05				.07	.06	.05	.09	.11	.18	.21	.12	.097	21	.27
12	.03	.01	.01	.01	.03	.04	.04	.06	.07	.06	.04	.02	.01	.01											.031	14	.07
13																											
14*																											
15*	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.021	24	.03
16	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.026	24	.03
17	.03	.03	.03	.03	.03	.03	.03	.03	.04		.06	.06	.06	.06	.05	.06	.13	.10	.08	.08	.08	.08	.08	.08	.058	23	.15
18	.09	.10	.10	.10	.10	.10	.10	.11	.06	.05	.05	.05	.06	.16	.10	.02	.02	.02	.03	.03	.03	.03	.07	.06	.068	24	.18
19	.11	.11	.09	.16	.21	.21	.26	.17	.12	.21	.20	.14	.08	.07	.14	.12	.08	.04	.04	.05	.06	.06	.06	.05	.118	24	.44
20	.07	.11	.17	.13	.09	.12	.20	.23	.14	.41	.43						.02	.02	.02	.02	.04	.04	.04	.03	.121	19	.64
21*	.03	.03	.03	.03	.03	.04	.03	.03	.03	.03	.04	.03	.04	.08	.05	.03	.02	.01	.01	.03	.13	.18	.16	.12	.050	24	.20
22*	.11	.09	.08	.12	.13	.13	.15	.08	.07	.07	.05	.24	.33	.14	.07	.16	.03	.06	.09	.13	.08	.09	.08	.08	.110	24	.59
23	.17	.05	.04	.03	.03	.04	.06	.06	.05	.05	.04	.04	.04	.04	.04	.04	.03								.049	17	.24
24																											
25																											
26																											
27																											
28*																											
29*																											
30																											
31																											
MEAN	.06	.05	.05	.06	.06	.07	.07	.07	.05	.07	.06	.05	.05	.04	.04	.04	.04	.03	.03	.04	.05	.06	.06	.05	.052		
NO	17	18	18	18	18	18	17	18	16	17	19	18	18	17	16	16	18	17	17	17	17	17	17	17		416	
MAX	.17	.11	.17	.16	.21	.22	.26	.23	.14	.41	.43	.24	.33	.16	.14	.16	.13	.10	.09	.13	.18	.22	.21	.13	.121		.64

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-41.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
AUG. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS.	5-MIN. MAX.
1																											
2																											
3	.05	.07	.05	.04	.09	.12	.11	.11			.06	.12	.05	.13	.07	.10	.09	.04	.08	.04	.06	.06	.05	.05	.074	22	.38
4*	.07	.10	.14	.09	.09	.06	.10	.04	.04	.04	.03	.03	.02	.03	.04	.03	.02	.02	.03	.01	.02	.02	.02	.03	.046	24	.15
5*	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02									.012	16	.03
6																											
7																											
8																											
9																											
10										.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.018	15	.03
11*	.01	.01	.01	.05	.20	.15	.10	.06	.04	.03	.02	.02	.02	.03	.02	.03	.02	.03	.03	.03	.03	.04	.03	.03	.042	24	.25
12*	.04	.04	.04	.04	.04	.05	.04	.12	.05	.03	.02	.02	.02	.02	.02	.01	.02	.02	.02	.02	.02	.02	.02	.03	.032	24	.18
13	.03	.03	.03	.04	.04	.05	.06	.06	.04	.04	.03	.01			.04	.03	.03	.02	.03	.02	.02	.02	.02	.02	.032	22	.07
14	.03	.02	.02	.02	.02	.04	.03	.04	.03	.03		.03	.04	.04	.03	.03	.02	.03	.02	.02	.02	.02	.01	.04	.027	23	.10
15	.15	.10	.07	.07	.10	.21	.15	.42	.30	.07	.05	.07	.10	.15				.00	.01	.02	.01	.01	.01	.00	.099	21	.13
16	.00	.00	.00	.02	.03	.02	.00	.00	.05	.05	.04	.03	.03	.03	.02	.02	.03	.04	.08	.10	.13	.09	.09	.06	.038	24	.21
17	.03	.03	.04	.02	.02	.03	.02	.01	.01	.01	.01	.01	.02	.02	.01	.01	.01	.01	.01	.01	.02	.05	.06	.06	.022	24	.09
18*	.07	.06	.09	.05	.04	.06	.09	.08	.12	.05	.02	.03	.01	.01	.01	.01	.01	.01	.01	.01	.02	.03	.05	.03	.040	24	.28
19*	.02	.03	.03	.03	.03	.04	.04	.05	.03	.09	.11	.02	.08	.07	.01	.01	.02	.02	.01	.03	.04	.03	.04	.07	.039	24	.20
20	.10	.07	.06	.13	.11	.09	.10	.07	.12	.05	.06	.04	.03	.04	.06	.05	.04	.11	.13	.04	.05	.10	.09	.07	.075	24	.21
21	.07	.05	.04	.13	.05	.08	.10	.08	.07		.02	.03	.02	.02	.02	.02	.01	.01	.01	.01	.02	.01	.04	.03	.040	23	.15
22	.08	.08	.14	.27	.20	.05	.03	.03	.02	.02	.06	.03	.02	.05	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.050	24	.33
23	.03	.03	.06	.07	.08	.10	.08	.05	.05	.05	.03	.03	.02	.02	.02	.02	.01	.01	.01	.02	.02	.02	.02	.02	.036	24	.11
24	.02	.02	.03	.04	.04	.07	.08	.04	.10					.02	.02	.01	.01	.01	.01	.01	.02	.05	.09	.05	.037	20	.19
25*	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.03	.02	.02	.03	.03	.02	.02	.03	.02	.017	24	.03
26*	.03	.03	.02	.03	.03	.04	.04	.06	.05	.06	.04	.02	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.08	.031	24	.14
27	.14	.10	.13	.12	.16	.18	.16	.32	.24	.10	.10	.14	.11	.09	.08	.05	.11	.14	.07	.03	.04	.07	.20	.13	.124	24	.35
28	.04	.02	.02	.07	.13	.09	.24	.75			.12	.13	.04	.03	.03	.01	.02	.02	.02	.03	.05	.07	.05	.09	.093	22	.97
29	.09	.08	.10	.03	.10	.13	.18	.11	.14	.21	.16	.08	.04	.03	.03	.05	.02	.02	.02	.03	.05	.04	.08	.05	.077	24	.32
30	.04	.04	.07	.05	.10	.06	.22	.08	.07	.04	.03	.02	.02	.02	.02	.02	.01	.02	.02	.10	.11	.06	.04	.04	.052	24	.35
31	.06	.05	.07	.04	.04	.04	.04	.04	.04	.12	.07	.04	.03	.09	.09	.13	.04	.03	.02	.03	.07	.09	.04	.02	.055	24	.26
MEAN	.05	.04	.05	.06	.07	.07	.08	.11	.07	.05	.05	.04	.03	.04	.03	.03	.03	.03	.03	.03	.04	.04	.05	.04	.049		
NO	24	24	24	24	24	24	24	24	22	21	23	24	23	24	24	24	23	24	24	24	24	24	24	24		568	
MAX	.15	.10	.14	.27	.20	.21	.24	.75	.30	.21	.16	.14	.11	.15	.09	.13	.11	.14	.13	.10	.13	.10	.20	.13	.124		1.13

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-42.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO•ILL•

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
SEPT. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1*	.02	.03	.03	.02	.02	.02	.02	.03	.04	.04	.02	.02	.04	.03	.02		.01	.00	.00	.00	.00	.00	.00	.00	.017	23	.14
2*	.00	.00								.00	.00	.01	.00	.00	.00	.00	.02	.05	.02	.01	.01	.00	.01	.00	.008	17	.09
3	.00	.04	.09	.05	.06	.05	.07	.08	.05	.03	.03	.04	.03	.03				.02	.02	.03	.04	.06	.06	.03	.042	21	.17
4	.04	.08	.13	.09	.03	.02	.03	.04	.03		.02	.01	.01	.01	.03	.03	.01	.03	.01	.01	.01	.01	.02	.02	.031	23	.16
5	.02	.03	.03	.04	.04	.05	.05	.04			.03	.03	.02	.02	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.031	22	.06
6	.02	.02	.02	.11	.13	.17	.23	.18	.07	.03	.02	.02	.02	.02	.03	.02	.02	.02	.02	.04	.06	.06	.08	.06	.061	24	.27
7	.06	.08	.09	.10	.10	.17	.15	.18	.32	.10	.06	.04	.03	.04	.06	.03	.03	.03	.05	.06	.06	.06	.08	.07	.085	24	.42
8*	.05	.06	.08	.07	.07	.09	.08	.13	.11	.07	.07	.12	.05	.04	.04	.03	.03	.02	.02	.01	.01	.01	.02	.02	.053	24	.18
9*	.02	.02	.02	.02	.03	.04	.04	.12	.08	.09	.11	.09	.06	.06	.04	.03	.03	.02	.03	.04	.04	.03	.02	.01	.045	24	.25
10	.01	.01	.02	.09	.14	.07	.04	.03	.02		.03	.02	.02	.02	.02	.02	.01	.02	.01	.02	.02	.03	.03	.02	.029	23	.26
11	.01	.01	.01	.01	.02	.05	.09	.11		.06	.09	.07	.06	.06	.11	.13	.10	.14	.09	.07	.05	.08	.06	.06	.066	23	.36
12	.07	.16	.26	.20	.09	.09	.33	.23	.36	.26	.21	.15	.10	.23	.17	.22	.23	.45	.20	.52	.54	.42	.09	.07	.235	24	.76
13	.12	.13	.25	.22	.10	.05	.06	.07	.26	.16	.46	.26	.28	.15	.09	.09	.10	.03	.02	.03	.03	.02	.01	.01	.124	24	.73
14	.01	.00	.00	.02	.04	.04	.05	.06	.05	.04	.04	.05	.02	.01	.01	.00	.02	.01	.02	.01	.04	.03	.01	.01	.024	24	.09
15*	.01	.00	.00	.04	.04	.02	.03	.02	.01	.01	.02	.02	.03	.04	.02	.01	.02	.04	.03	.03	.04	.03	.01	.01	.020	24	.12
16*	.05	.06	.07	.04	.02	.06	.07	.08	.10	.04	.03	.01	.02	.02	.04	.07	.08	.07	.07	.06	.08	.07	.02	.01	.051	24	.13
17	.01	.01	.01	.01	.01	.02	.02	.03	.03	.01		.02	.01	.01	.01	.01	.01	.01	.02	.01	.01	.02	.02	.02	.014	23	.04
18	.02	.02	.02	.02	.03	.05	.08	.06		.02	.02	.02	.02	.02	.02	.02	.02	.09	.06	.05	.05	.03	.04	.05	.035	23	.18
19	.05	.05	.04	.05	.07	.07	.09	.06	.04	.03	.02	.02	.02	.02	.02	.02	.02	.02	.03	.06	.08	.08	.04	.04	.043	24	.11
20	.06	.06	.05	.05	.05	.09	.13	.13	.10	.07	.06	.04	.03	.04	.04	.05	.04	.04	.03	.02	.02	.02	.02	.06	.054	24	.18
21	.09	.07	.06	.07	.07	.11	.16	.16	.09	.07	.06	.08	.06	.08	.04	.06	.10	.07	.05	.05	.04	.04	.04	.08	.074	24	.19
22*	.09	.08	.09	.14	.10	.07	.10	.11	.08	.04	.04	.03	.03	.03	.02	.02	.03	.04	.05	.04	.06	.05	.02	.02	.057	24	.16
23*	.02	.01	.01	.01	.01	.01	.01	.02	.02	.01	.02	.02	.03	.03	.02	.02	.02	.02	.02	.02	.02	.04	.21	.13	.031	24	.28
24	.07	.05	.05	.06	.06	.08	.10	.11					.05	.04	.06	.07	.06	.07	.07	.06	.11	.12	.07	.05	.069	20	.15
25	.04	.04	.03	.04	.05	.09	.14	.15		.09	.08	.06	.07	.06	.05	.05	.05	.04	.04	.04	.04	.05	.08	.06	.061	23	.16
26	.10	.14	.09	.15	.13	.17	.13	.13	.14	.07	.06	.03	.05	.05	.04	.05	.04	.03	.04	.04	.03	.02	.04	.07	.077	24	.21
27	.13	.16	.11	.04	.02	.06	.08	.07	.05	.04	.05	.06	.05	.03	.02	.02	.03	.04	.05	.05	.04	.04	.02	.01	.051	24	.17
28	.03	.05	.05	.05	.07	.08	.06	.07	.05	.04	.03	.03	.02	.03	.02	.02	.04	.04	.07	.05	.07	.06	.07	.09	.049	24	.15
29*	.13	.11	.09	.10	.13	.20	.26	.23	.10	.05	.05	.04		.02	.01	.02	.03	.03	.04	.04	.11	.22	.20	.16	.102	23	.28
30*	.14	.16	.13	.13	.11	.14	.14	.16	.13	.06	.05	.03	.05	.04	.03	.04	.04	.04	.03	.03	.03	.02	.02	.02	.073	24	.20
MEAN	.05	.06	.07	.07	.06	.08	.10	.10	.10	.06	.06	.05	.04	.04	.04	.04	.04	.05	.04	.05	.06	.06	.05	.04	.058		
NO.	30	30	29	29	29	29	29	29	24	26	28	29	29	30	29	28	29	30	30	30	30	30	30	30		696	
MAX	.14	.16	.26	.22	.14	.20	.33	.23	.36	.26	.46	.26	.28	.23	.17	.22	.23	.45	.20	.52	.54	.42	.21	.16	.235		.76

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED.. JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-43.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
OCT. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX.
1	.02	.02	.02	.02	.02	.03	.03	.04	.04	.04	.03	.04	.09	.08	.05	.05	.04	.04	.04	.05	.03	.02	.02	.02	.036	24	.11
2	.02	.02	.02	.03	.03	.04	.05	.06		.06	.06	.04	.05	.04	.04	.04	.04	.02	.02	.02	.02	.03	.02	.02	.034	23	.08
3	.02	.01	.01	.01	.01	.02	.09	.10	.17	.14	.12	.10	.16	.12	.10	.09	.16	.15	.09	.14	.11	.07	.08	.06	.087	24	.37
4	.05	.06	.06	.05	.07	.17	.22	.19	.19	.22	.13	.07	.11	.09	.13	.12	.08	.06	.10	.11	.21	.17	.12	.09	.120	24	.41
5	.06	.07	.12	.21	.16	.14	.21	.28	.25	.18	.16	.09	.08	.06	.05	.04	.03	.03	.03	.03	.04	.03	.03	.04	.100	24	.42
6*	.04	.03	.03	.09	.10	.08	.06	.05	.03	.02	.02	.02		.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.030	23	.11
7*	.01	.01	.00	.02	.02	.01	.01	.01	.01	.02	.03	.02	.01	.01	.01	.03	.03	.05	.04	.03	.08	.07	.05	.03	.024	24	.11
8	.02	.01	.01	.02	.03	.05	.07	.07	.06	.05	.04	.03	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.034	24	.09
9	.04	.04	.05	.05	.09	.15	.24	.20	.25		.24	.24	.26	.21	.07	.07	.07	.05	.07	.18	.20	.30	.29	.19	.153	23	.48
10	.14	.13	.12	.10	.14	.16	.27	.18	.19	.11	.07	.05	.05	.03	.15	.12	.19	.22	.36	.31	.10	.05	.04	.05	.138	24	.45
11	.12	.21	.21	.15	.14	.16	.14	.15	.12	.09	.13	.10	.09	.07	.06	.11	.17	.14	.30	.25	.11	.05	.04	.07	.132	24	.36
12	.10	.12	.07	.05	.05	.06	.04	.02	.02	.03	.03	.03	.03	.03	.02	.02	.01	.02	.02	.04	.05	.02	.02	.02	.036	24	.31
13*	.01	.01	.01	.01	.01	.02	.02	.02	.02	.08	.06	.05	.05	.03	.02		.01	.01	.01	.03	.07	.07	.04	.04	.030	23	.11
14*	.04	.04	.04	.06	.04	.05	.05	.07	.06	.05	.03	.02	.01	.01	.01	.01	.02	.03	.05	.04	.04	.03	.03	.03	.035	24	.13
15	.03	.03	.04	.03	.04	.05	.06	.08	.06	.05	.04	.03	.02	.03	.02	.01	.01	.02	.02	.01	.01	.02	.03	.02	.031	24	.12
16	.01	.02	.04	.12	.17	.14	.06	.02	.03	.03	.02	.02	.02	.02	.01	.01	.02	.02	.03	.04	.04	.04	.03	.03	.041	24	.31
17	.04	.07	.08	.08	.11	.19	.27	.24	.15	.08	.06	.04	.03	.03	.02	.02	.03	.03	.06	.13	.16	.10	.13	.04	.090	24	.32
18	.04	.06	.09	.22	.28	.37	.48	.53	.19	.08	.06	.04	.04	.02	.01	.02	.03	.05	.08	.18	.13	.16	.16	.25	.148	24	.62
19	.24	.29	.36	.24	.19	.23	.28	.27	.35	.25	.29	.12	.12	.12	.07	.12	.11	.10	.06	.07	.08	.08	.09	.05	.173	24	.51
20*	.03	.05	.06	.05	.04	.02	.02	.03	.03	.03	.02			.02	.02	.02	.02	.01	.02	.03	.03	.02	.04	.05	.030	22	.10
21*	.05	.07	.10	.08	.07	.06	.08	.12	.12	.07	.04	.02	.02	.02	.02	.03	.05	.08	.09	.12	.17	.09	.08	.08	.072	24	.20
22	.09	.10	.17	.20	.17	.17	.31	.50	.63	.61	.16	.21	.09	.04	.04	.04	.04	.09	.07	.06	.05	.05	.05	.06	.167	24	.79
23	.04	.04	.04	.05	.06	.12	.16	.15								.05	.05	.06	.06	.06	.06	.07	.08	.08	.071	17	.17
24	.08	.08	.08	.13	.14	.17	.20	.19	.16	.16						.06	.08	.11	.18	.22	.26	.44	.25	.19	.166	19	.60
25	.15	.14	.05	.01	.03	.09	.12	.13	.14	.12	.12	.13	.14	.21	.13	.17	.14	.11	.15	.16	.13	.12	.09	.10	.119	24	.28
26	.09	.11	.14	.17	.20	.29	.37	.33	.25	.17	.16	.12	.09	.10	.09	.08	.11	.15	.19	.16	.20	.22	.19	.15	.171	24	.42
27*	.13	.12	.11	.11	.12	.17	.24	.27	.32	.44	.34	.34	.29	.22	.20	.25	.25	.24	.29	.27	.11	.10	.08	.08	.211	24	.69
28*	.10	.12	.19	.11	.06	.08	.12	.11	.08	.06	.05	.05	.05	.04	.03	.02	.02	.03	.04	.04	.05	.05	.05	.05	.067	24	.21
29	.04	.04	.04	.03	.04	.05	.06	.09	.13	.13	.08	.08	.05	.04			.16	.15	.30	.23	.21	.30	.22	.26	.124	22	.38
30	.38	.36	.43	.38	.36	.28	.20	.26	.27		.12	.09	.07	.06	.04	.05	.09	.07	.07	.07	.10	.09	.09	.08	.173	23	.77
31	.08	.07	.07	.09	.14	.18	.26	.26	.25	.17	.13	.13	.13	.12	.11	.10	.11	.11	.15	.11	.13	.15	.11	.08	.135	24	.31
MEAN	.07	.08	.09	.10	.10	.12	.15	.16	.16	.13	.10	.08	.08	.07	.06	.06	.07	.07	.10	.10	.10	.10	.08	.07	.096		
NO.	31	31	31	31	31	31	31	31	29	28	29	28	27	29	28	29	31	31	31	31	31	31	31	31		723	
MAX	.38	.36	.43	.38	.36	.37	.48	.53	.63	.61	.34	.34	.29	.22	.20	.25	.25	.24	.36	.31	.26	.44	.29	.26	.211		.79

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-44.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

SULFUR DIOXIDE
NOV. 1962

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX.
1	.07	.09	.15	.14	.15	.21	.25	.25	.16	.16	.13	.12	.15	.12	.12	.15	.15	.13	.13	.18	.21	.19	.22	.18	.157	24	.41
2	.14	.19	.17	.15	.25	.27	.38	.44	.39	.26	.18	.18	.14	.12	.12	.14	.15	.12	.11	.09	.06	.12	.16	.17	.185	24	.50
3*	.09	.16	.19	.21	.24	.27	.20	.16	.15	.15	.16	.09	.08	.07	.08	.07	.08	.10	.11	.12	.14	.14	.10	.09	.135	24	.35
4*	.08	.07	.14	.13	.28	.17	.25	.22	.22	.16	.19	.26	.17	.13	.12	.13	.11	.10	.11	.10	.13	.13	.13	.09	.150	24	.37
5	.07	.07	.08	.12	.25	.33	.43	.48	.41			.26	.16	.14	.09	.13	.13	.13	.17	.08	.05	.25	.24	.21	.193	22	.50
6	.17	.16	.19	.18	.19	.29	.34	.52	.30	.19	.12	.09	.07	.07	.07	.09	.11	.10	.08	.07	.08	.08	.18	.23	.165	24	.66
7	.32	.20	.27	.26	.24	.30	.31	.30	.21		.44	.18	.12	.09	.09	.10	.09	.07	.07	.06	.07	.08	.07	.07	.173	23	.59
8	.08	.07	.07	.07	.12	.17	.21	.25	.28	.26	.20	.20	.14	.13	.14	.14	.13	.10	.11	.10	.08	.08	.08	.10	.137	24	.31
9	.21	.27	.38	.28	.25	.40	.36	.44	.35	.20	.16	.14	.12	.11	.09	.09	.09	.09	.10	.08	.08	.07	.06	.06	.186	24	.87
10*	.06	.05	.05	.05	.09	.18	.24	.29	.27	.22	.18	.13	.12	.12	.11	.08	.09	.09	.07	.08	.07	.06	.06	.06	.117	24	.31
11*	.07	.05	.04	.04	.04	.03	.03	.03	.05	.08	.07	.06	.08	.08	.07	.05	.06	.05	.05	.05	.06	.05	.04	.04	.052	24	.10
12	.04	.05	.05	.04	.04	.08	.11	.14	.13	.12		.10	.09	.13	.14	.14	.14	.12	.11	.13	.16	.13	.25		.111	22	.31
13													.17	.12	.11	.10	.11	.11	.10	.10	.10	.11	.11	.10	.153	24	.59
14	.05	.05	.05	.04	.07	.18	.40	.15	.23	.44	.38	.30	.48	.38	.56	.36	.30	.24	.23	.18	.10	.07	.06	.06	.284	24	.72
15	.29	.30	.19	.21	.28	.34	.51	.57	.36	.25	.19	.31															
16	.07	.07	.08	.08	.07	.08	.13	.13	.12	.11	.10	.09	.10	.12	.11	.09	.10	.09	.08	.07	.08	.07	.06	.06	.089	24	.15
17*	.06	.06	.08	.07	.08	.11	.12	.11	.12	.11	.10	.09	.11	.13	.14	.13	.12	.18	.09	.07	.14	.17	.19	.17	.113	24	.20
18*	.15	.09	.12	.13	.10	.15	.19	.21	.22	.20	.18	.19	.14	.13	.15	.17	.11	.13	.18	.15	.16	.16	.15	.12	.152	24	.23
19	.13	.22	.21	.31	.33	.33	.41	.53	.49	.37	.51	.48		.35	.26	.16	.24	.19	.24	.20	.20	.35	.24	.41	.311	23	.63
20	.32	.31	.40	.29	.25	.19	.41	.23	.19		.48	.59	.31	.39	.16	.15	.14	.20	.61	.68	.57	.24	.17	.20	.324	23	.80
21	.27	.31	.24	.20	.26	.28	.29	.28	.29	.25	.26	.21	.22	.24	.20	.13	.13	.25	.21	.13	.11	.09	.07	.08	.207	24	.47
22	.07	.06	.07	.07	.08	.08	.09	.11	.08	.10	.09	.08	.08	.07	.06	.08	.09	.09	.11	.14	.15	.17	.19	.19	.099	24	.22
23	.26	.26	.25	.24	.37	.40	.38	.35	.26	.20	.18	.18	.14	.17	.34	.32	.15	.07	.07	.09	.09	.11	.12	.11	.212	24	.81
24*	.11	.10	.11	.11	.11	.12	.25	.40	.36	.39	.56			.34	.23	.17	.13	.14	.17	.20	.09	.16	.21	.23	.212	22	.66
25*	.21	.19	.15	.18	.20	.31	.28	.32	.26	.42	.32	.26	.13	.08	.07	.05	.06	.09	.13	.31	.39	.29	.31	.29	.220	24	.46
26	.19	.12	.12	.15	.19	.22	.27	.32	.26	.25	.24	.20	.19	.17	.15	.12	.21	.18	.16	.15	.26	.28	.21	.25	.201	24	.38
27	.29	.19	.17	.16	.23	.34	.32	.31	.33		.23	.22	.26	.13	.09	.18	.16	.13	.10	.11	.12	.14	.18	.34	.205	23	.45
28	.26	.21	.25	.27	.20	.13	.19	.16	.23	.27	.36	.45	.34	.25	.14	.18	.12	.23	.19	.10	.10	.18	.43	.45	.235	24	.55
29	.30	.28	.26	.24	.23	.33	.59	.58	.50	.50	.47	.30	.13			.11	.13	.14	.15	.16	.09	.09	.07	.06	.258	22	.69
30	.05	.09	.13	.14	.10	.33	.54	.86	.86	.56	.42	.35	.23	.19	.28	.24	.14	.14	.14	.12	.16	.18	.17	.43	.284	24	1.00
MEAN	.15	.15	.16	.16	.18	.23	.29	.31	.28	.25	.25	.22	.16	.16	.15	.14	.13	.13	.14	.14	.14	.15	.16	.17	.183		
NO.	29	29	29	29	29	29	29	29	29	25	27	28	27	28	28	29	29	29	29	29	29	29	29	28		684	
MAX.	.32	.31	.40	.31	.37	.40	.59	.86	.86	.56	.56	.59	.48	.39	.56	.36	.30	.25	.61	.68	.57	.35	.43	.45	.324		1.00

TABULATED WED., JAN. 22, 1969

* Indicates Saturday or Sunday
Local standard time used

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-45.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
DEC. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	.69	.37	.30	.37	.35	.34	.52	.70	.88				.34	.27	.10	.07	.06	.06	.07	.07	.11	.48	.59	.49	.344	21	1.06
2*	.38	.33	.31	.34	.43	.58	.54	.53	.61	.58	.60	.47	.34	.26	.17	.22	.18	.13	.22	.22	.25	.24	.23	.23	.349	24	.86
3	.24	.30	.24	.30	.30	.29	.32	.48	.41	.38	.22	.26	.18	.12	.10	.14	.16	.27	.41	.37	.24	.21	.22	.21	.266	24	.58
4	.21	.24	.26	.27	.32	.30	.33	.55	.42		.52	.44	.36	.13	.20	.24	.08	.07	.05	.05	.09	.10	.12	.14	.239	23	.76
5	.08	.08	.09	.10	.11	.19	.24	.22	.21	.18	.14	.15	.14	.17	.17	.16	.17	.16	.13	.11	.11	.10	.11	.10	.141	24	.28
6	.08	.09	.11	.12	.14	.19	.26	.25	.23	.25	.24	.22	.18	.19	.17	.13	.15	.12	.09	.11	.09	.08	.08	.08	.152	24	.30
7	.08	.08	.09	.09	.11	.17	.24	.27	.26	.20	.16	.16	.13	.13	.14	.14	.16	.17	.21	.22	.21	.18	.17	.16	.163	24	.34
8*	.17	.16	.12	.21	.17	.20	.23	.23	.23			.13	.11	.11	.07	.10	.10	.08	.07	.08	.08	.10	.08	.08	.131	22	.39
9*	.08	.09	.10	.12	.15	.17	.18	.18	.15	.13	.14	.12	.11	.12	.13	.14	.12	.13	.14	.13	.12	.14	.15	.12	.131	24	.23
10	.14	.18	.16	.21	.22	.27	.30	.27		.26	.19	.18	.16	.17	.19	.20	.20	.27	.32	.29	.25	.23	.21	.15	.218	23	.36
11	.17	.15	.17	.20	.23	.28	.32	.28				.24	.22	.21	.22	.21	.23	.20	.25	.25	.28	.27	.26	.19	.229	21	.34
12	.23	.21	.20	.18	.21	.25	.32	.32	.34	.28	.30	.27	.28	.25	.26	.27	.32	.32	.29	.25	.29	.45	.52	.53	.297	24	.64
13	.47	.32	.30	.38	.50	.37	.42	.42	.67	.55	.41	.46	.38	.23	.20	.22	.25	.26	.35	.44	.42	.43	.42	.42	.387	24	1.02
14	.33	.32	.31	.33	.39	.54	.58	.60	.60	.55	.52	.40	.40	.83	.61	.39	.28	.20	.19	.19	.21	.17	.22	.37	.396	24	1.23
15*	.41	.22	.26	.38	.41	.34	.50	.38	.25	.25			.16	.15	.15	.15	.16	.12	.12	.14	.13	.15	.14	.14	.231	22	.54
16*	.10	.12	.12	.12	.13	.15	.19	.17	.16	.17	.27	.36	.28	.17	.29	.23	.27	.35	.32	.38	.43	.18	.15	.37	.228	24	.56
17	.49	.47	.42	.29	.25	.43	.34	.39	.45	.48	.48	.58	.65	.58	.37	.23	.37	.41	.43	.43	.34	.33	.24	.16	.400	24	.77
18	.08	.05	.04	.03			.01	.04	.05	.11		.07	.10	.14	.16	.20	.23	.37	.34	.27	.19	.33	.19	.28	.156	21	.43
19	.40	.25	.28	.20	.14	.14	.12	.13	.14	.11	.11	.10	.11	.11	.14	.13	.11	.09	.10	.12	.13	.07	.06	.04	.138	24	.43
20	.03	.03	.03	.04	.04	.08	.06	.07	.11	.12	.10	.10	.10	.08	.09	.08	.06	.05	.05	.06	.04	.05	.03	.02	.062	24	.14
21	.02	.02	.02	.02	.02	.02	.03	.05	.05	.07	.08	.14	.16	.15	.17	.17	.17	.16	.15	.12	.10	.14	.24	.17	.102	24	.29
22*	.13	.13	.19	.39	.34	.36	.50	.46	.33			.14	.11	.08	.10	.12	.16	.31	.66	.43	.27	.13	.07	.04	.247	22	.84
23*	.04	.05	.09	.07	.05	.08	.08	.09	.09	.09	.08	.09	.09	.09	.10	.10	.10	.10	.11	.13	.15	.14	.14	.16	.096	24	.27
24	.26	.19	.30	.30	.33	.38	.41	.54					.59	.55	.42	.52	.37	.32	.30	.37	.42	.54	.46	.37	.395	20	.88
25	.30	.28	.27	.23	.24	.27	.31	.26	.24	.35	.25	.33	.26	.16	.17	.15	.14	.15	.15	.19	.17	.13	.16	.17	.222	24	.45
26	.17	.20	.16	.20	.25	.32	.35	.35	.31			.45	.41	.89	.86	.61	.53	.41	.37	.30	.58	.37	.25	.47	.400	22	1.64
27	.48	.54	.58	.52	.43	.43	.66	.80	.38	.54	.37	.27	.31	.27	.30	.28	.28	.29	.28	.16	.19	.22	.19	.25	.374	24	.98
28	.26	.29	.48	.45	.52	.47	.46	.43	.36	.35	.36	.29	.28	.22	.22	.21	.21	.21	.21	.19	.20	.23	.30	.66	.327	24	.75
29*	.48	.38	.31	.28	.20	.26	.31	.33	.32	.32	.32	.26	.23	.19	.19	.20	.20	.15	.15	.14	.17	.21	.24	.26	.254	24	.56
30*	.16	.13	.18	.18	.25	.29	.33	.24	.30	.26	.34	.31	.31	.32	.31	.19	.15	.26	.40	.47	.46	.52	.45	.51	.303	24	.61
31	.32	.10	.11	.13	.09	.09	.09	.13				.12	.15	.11	.08	.09	.08	.09	.11	.13	.15	.11	.12	.16	.120	21	.53
MEAN	.24	.20	.21	.23	.24	.27	.31	.33	.32	.29	.28	.25	.25	.24	.22	.20	.19	.20	.23	.22	.22	.23	.22	.24	.241		
NO.	31	31	31	31	30	30	31	31	27	23	22	28	31	30	31	31	31	31	31	31	31	31	31	31		718	
MAX	.69	.54	.58	.52	.52	.58	.66	.80	.88	.58	.60	.58	.65	.89	.86	.61	.53	.41	.66	.47	.58	.54	.59	.66	.400		1.64

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-46.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM

FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
MARCH 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX
12	1.3	1.0	1.0	1.0	0.9	0.9	1.1	1.1	1.1	1.2	1.4	1.5	1.1	1.2	1.2	1.6	1.6	1.3	1.0	1.1	1.0	1.0	0.7	0.5	1.10	24	2.0
13	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.1	0.0	0.1	0.3	0.1	0.3	0.3	0.4	0.1	0.0	0.0	0.0			0.14	22	2.0
14							0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5				1.9	1.9	1.8	1.9	2.2	0.68	15	4.0
15	1.6	1.0	1.0	1.0	1.0	1.8	2.1	2.3	2.3	2.1	1.9	1.9	1.9	2.0	2.1	2.3	2.2	2.3	1.7	1.8	1.3	1.4	1.9	1.4	1.75	24	4.0
16	1.0	2.2	1.0	1.0	1.0	1.4	1.9	2.1	2.5	2.7	2.3	2.1	2.2	2.0	2.5	2.7	2.8	2.3	2.3	2.2	2.0	2.0	2.0	1.9	1.99	24	5.0
17*	2.0	1.6	1.3	1.0	1.0	1.0	1.4	1.7	2.0	2.1	2.1	2.0	2.2	2.6	2.1	2.7	2.6	2.0	2.1	1.8	2.2	2.0	1.9	2.1	1.88	24	4.0
18*	2.2	2.0	2.0	1.4	1.6	1.6	3.6	4.1	2.2	1.5	2.0	2.1	2.0	2.1	2.2	2.4	2.2	2.2	2.8	2.3	1.6	1.9	1.8	1.1	2.10	24	5.0
19	1.1	1.0	1.0	1.0	1.0	1.0	1.5	1.9	2.3	1.8	2.2	1.8				3.1	3.3	2.9	3.1	2.7	3.7	3.4	2.9	2.6	2.14	21	4.0
20	2.3	2.2	2.0	2.0	2.1	2.8	3.7	5.0	3.7	3.0	2.8	3.1	3.3	3.4	3.9	4.0	4.1	3.9	3.3	2.7	2.0	2.1	2.0	1.3	2.93	24	7.0
21	1.0	1.0	1.0	1.0	1.1	1.1	2.0	2.2	2.6	2.3	2.1	2.3	2.6	2.6	2.5										1.81	15	4.0
22																											
23											3.4	2.7	3.1	3.6	4.3	4.9	4.9	5.3	5.8	4.5	4.6	3.9	3.6	3.8	4.15	14	7.0
24*	3.5	3.1	2.8	2.6	2.4	3.5	2.8	3.0	3.2	3.2	3.6	3.8	4.3	4.6	5.2	4.8	4.8	4.5	4.3	4.3	3.8	3.2	3.3	3.7	3.66	24	9.0
25*	3.3	3.0	3.1	2.3	2.0	2.0	2.2	2.8	2.5	2.4	2.9	3.3	3.7	4.1	4.3	4.3	4.3	4.5	4.3	3.6	3.3	3.1	3.0	2.9	3.20	24	6.0
26	2.3	2.0	2.0	2.0	2.1	2.4	3.7	3.9	3.9	3.3	4.3		4.6	4.5	4.7	5.3	6.1	5.7	5.0	3.5	3.8	4.8	4.8	6.3	3.85	23	8.0
27	6.8	4.9	4.4	5.6	4.9	4.0	4.0	4.2	2.8	2.9	2.9	3.0	3.3	4.2	4.7	5.1	5.8	5.8	6.6	8.8	5.9	4.0	3.9	3.0	4.63	24	11.0
28	2.3	2.1	1.6	2.0	2.0	2.1	2.0	2.1	2.3	2.3	2.0	2.1	2.3	2.7	2.9	3.0	3.2	3.1	3.0	3.1	2.9	2.2	2.0	2.3	2.38	24	4.0
29	2.1	2.0	2.0	1.6	1.0	1.8	2.0	2.3	5.3	4.4	3.6	3.9	3.4	4.2	4.6	4.5	4.5	3.6	2.3	2.0	1.8	1.5	1.3	1.0	2.77	24	7.0
30	1.0	1.0	0.3	0.7	1.0	1.0	1.0	1.3	1.7	1.4	1.3							2.3	1.9	2.2	2.3	1.3	1.1	1.3	1.34	18	4.0
31*	1.0	0.9	1.0	1.0	0.4	0.4	0.7	0.6	0.6	1.0	1.0	1.6	1.9	2.4	2.1	2.8	2.9	2.8	2.3	2.3	2.0	1.0	1.6	1.7	1.49	24	5.0
MEAN	2.1	1.8	1.6	1.6	1.5	1.7	2.0	2.3	2.3	2.1	2.2	2.2	2.5	2.7	2.9	3.2	3.5	3.2	3.0	2.8	2.5	2.3	2.3	2.3	2.35		
NO.	17	17	17	17	17	17	18	18	18	18	19	17	17	17	17	17	16	17	17	18	18	18	17	17		416	
MAX.	6.8	4.9	4.4	5.6	4.9	4.0	4.0	5.0	5.3	4.4	4.3	3.9	4.6	4.6	5.2	5.3	6.1	5.8	6.6	8.8	5.9	4.8	4.8	6.3	4.63		11.0

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-47.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

CHICAGO, ILL.

TOTAL HYDROCARBON
APRIL 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	1.5	1.0	1.1	0.2	0.0	0.0	0.0	0.0	0.3	0.8	1.0	1.0	1.0	1.8	2.3	2.0	2.3	2.2	2.2	2.0	1.6	1.2	1.0	1.2	1.14	24	3.0
2																											
3																											
4																											
5																											
6																											
7*																											
8*																											
9																											
10	2.0	2.0	2.0	2.0	2.0	2.0	2.3	3.0	3.2	3.4	4.1	3.8	4.0	3.7	3.9	4.3	4.2	4.5	4.2	4.0	3.6	3.6	3.9	3.1	3.27	24	6.0
11	2.8	2.5	2.0	2.8	3.0	2.9	3.8	4.3	4.3	4.2	4.0	4.2	4.9	4.7	5.4	5.3	5.3	5.5	4.3	3.8	3.3	3.1	3.2	3.1	3.84	24	7.0
12	2.8	2.9	2.3	2.0	2.0	2.3	3.3	4.2	3.9	3.5	4.3	4.5	4.7	5.0	4.9	5.2	5.1	4.7	4.8	4.0	3.6	4.2	3.8	2.9	3.77	24	6.0
13	2.8	2.0	2.0	2.0	2.0	2.0	2.6	3.3	3.8	3.3	3.2	3.8	3.3	3.3	4.3	4.1		3.3	3.0	2.5	2.8	2.0	2.1	2.0	2.83	23	5.0
14*	2.4	2.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0			2.3	2.8	2.4	3.1	3.9	3.3	3.3	3.2	3.5	2.6	3.0	3.0	2.61	22	7.0
15*	2.5	2.2	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.1	2.0	2.2	2.6	3.4	3.8	3.5	4.4	3.9	3.0	3.6	3.0	2.9	3.0	2.5	2.69	24	5.0
16	2.0	2.0	2.0	2.0	2.0	2.8	3.7	3.8	3.6	3.6	3.6	3.7	3.3	3.2	3.7	3.5	4.1	3.3	3.4	2.8	2.2	2.3	2.0	3.3	2.97	24	5.0
17	3.7	3.0	3.0	2.8	2.0	2.0	2.9	3.4	3.8	3.2	2.8	2.3	2.9	2.8	3.1	3.3	3.9	3.8	3.6	4.3	4.0	3.6	3.0	3.3	3.18	24	5.0
18	3.3	2.0	2.0	2.0	2.0	2.0	3.2	4.2	4.3	4.3	3.8	3.3	3.7	3.7	4.0	3.3	3.4	3.9	5.3	3.7	3.1	3.0	3.0	3.1	3.30	24	7.0
19	2.4	2.7	2.8	1.9	1.8	2.2	2.5	3.3	3.9	3.5	3.1	3.0	3.1	2.8	3.5	3.0	3.8	4.1	3.7	2.8	2.9	2.4	2.1	2.1	2.88	24	5.0
20	2.4	1.6	1.0	1.6	2.0	2.0	2.5	3.1	2.8	2.6	2.6	2.8	3.0	3.8	4.0	4.4	5.0	4.1	4.0	4.0	3.8	3.0	3.9	3.1	3.03	24	6.0
21*	2.6	2.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.3	4.0	4.0	4.0	4.0	4.0	4.0	4.2	4.3	4.0	3.3	3.0	3.02	24	5.0
22*	3.0	3.0	3.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.8	3.0	3.0	3.3	4.0	3.7									2.67	16	4.0
23																											
24											3.3	3.4	3.0	3.0	3.0		3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.8	3.11	13	5.0
25	3.0	3.0	3.0	3.0	2.1	2.0	2.1	3.3	3.8	3.6	3.3	3.3	3.1	3.1	3.5	3.0	3.6	3.8	3.6	4.3	4.1	3.0	3.0	3.0	3.18	24	7.0
26	4.0	3.1	3.0	3.0	3.0	3.0	3.0	3.8	4.1	4.6	3.4	3.3	3.0	3.0	3.4	4.3	4.3	4.1	4.0	4.9	4.4	4.3	4.1	4.1	3.71	24	7.0
27	4.0	3.8	3.0	3.0	3.0					4.0	4.0	4.0	2.4	3.7	4.0	4.1	4.4	3.8	4.0	4.0	4.0	3.9	4.0	3.9	3.74	20	7.0
28*	3.0	3.3	3.1	3.5	3.9	3.0	3.3	3.1	3.7	3.6	4.0	3.8	5.0	5.0	4.6	4.9	5.3	4.4	4.3	4.4	5.3	4.2	4.0	4.6	4.04	24	7.0
29*	4.7	3.9	3.3						3.1	3.4	4.0	4.1	5.1	5.1	5.3	5.5	6.5	6.6	6.3	6.8	5.7	5.1	4.8	4.8	4.93	19	8.0
30	4.0	3.8	3.0	3.0	3.3	6.2	6.2	5.8	5.0	4.4	4.2	4.5	4.2			7.1	7.8	7.7	5.8	5.0	5.2	5.6	5.8	5.0	5.10	22	9.0
MEAN	2.9	2.7	2.4	2.3	2.2	2.4	2.7	3.1	3.2	3.2	3.3	3.3	3.4	3.5	3.8	4.1	4.4	4.2	4.0	3.9	3.7	3.3	3.3	3.2	3.28		
NO.	20	20	20	19	19	18	18	18	19	20	20	20	21	20	20	20	19	20	20	20	20	20	20	20		471	
MAX.	4.7	3.9	3.3	3.5	3.9	6.2	6.2	5.8	5.0	4.6	4.3	4.5	5.1	5.1	5.4	7.1	7.8	7.7	6.3	6.8	5.7	5.6	5.8	5.0	5.10		9.0

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-48.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM

FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
MAY 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	4.6	4.1	4.0	4.3	5.1	6.1	6.2	6.9	7.5	4.1	4.1	4.3	3.7	4.1	4.7	5.3	5.3	4.3	3.6	3.8	3.3	4.2	3.6	3.1	4.58	24	10.0
2	2.6	2.0	2.0	2.0	2.0	2.7	4.5	4.5	3.9	2.8	3.0	2.9	3.4	3.5	3.8	4.3	4.6	4.0	2.3	2.3	4.4	5.0	4.3	4.0	3.35	24	7.0
3	2.9	2.0	2.0	2.0	2.0	3.0	3.6	5.0	6.9	4.3	2.3	2.0	2.0	2.0	2.2	2.4	2.5	2.0	2.1	3.2	3.3	3.3	3.3	4.6	2.94	24	9.0
4	2.5	2.0	2.0	2.0	2.3	3.0	3.6	3.4	3.2	3.1	2.8	2.5	2.3	3.4	5.3	4.8	4.1	3.0	3.4	4.1	3.3	5.6	6.5	3.9	3.42	24	10.0
5*	4.8	4.3	2.6	2.0	2.0	2.3	2.5	2.4		3.1	3.2	3.0	2.8	3.0	3.3	5.5	3.3	3.0	3.6	4.0	4.2	4.0	3.9	3.3	3.30	23	11.0
6*	3.1	3.5	3.0	3.1	3.0	3.0	3.2	3.0	3.0	3.0	3.0	3.1	3.4	4.0	4.8	4.2	4.2	3.4	3.9	3.9	3.8	3.0	3.2	3.1	3.40	24	5.0
7	3.0	3.0	2.3	2.8	2.9	3.3	4.3	4.4	4.1	4.0	3.8	3.8	4.0	4.7	5.2	5.9	4.9	4.1	4.1	4.2	3.0	3.3	3.3	3.1	3.79	24	7.0
8	2.8	2.0	2.1	2.9	3.5	4.2	4.2	4.6	4.0	4.2	4.2	3.9	4.1	3.0	4.3	4.2	4.1	3.8	3.2	3.0	3.0	3.0	3.0	3.0	3.48	24	6.0
9	2.4	2.0	2.0	2.0	2.0	3.2	3.8	4.3	4.0	4.0	4.0	4.1	3.6	3.9	4.3	4.7	5.2	4.8	4.4	4.1	4.0	4.0	4.0	3.6	3.67	24	6.0
10	3.0	3.0	3.0	3.0	3.0	3.2	3.5	3.0	3.7	3.7	4.3	4.7	4.0	4.9	5.6	5.3	5.3	5.4	4.3	5.5	5.9	5.2	4.3	4.0	4.19	24	8.0
11	4.0	4.0	3.8	3.0	3.9	4.6	5.3	5.9	5.4	5.3	5.7	5.7	5.0	6.0	6.8	5.3	5.7	4.7	4.5	4.8	4.7	4.4	4.2	4.3	4.86	24	8.0
12*	3.7	4.1	3.2	3.0	3.0	3.3	4.1	3.3	4.3	3.6	4.7	4.5	4.8	5.7	5.0	4.8	5.2	6.1	6.4	6.2	4.8	4.0	3.9	3.7	4.37	24	7.0
13*	5.0	4.1	3.2	3.2	4.2	4.0	4.0	3.1	3.0	3.0	3.0	3.0	3.0	3.4	3.3	3.2	3.2	3.1	3.6	3.5	3.9	3.2	3.0	3.0	3.41	24	6.0
14	3.0	3.0	3.0	3.0	3.0	3.0	3.6	4.0	4.0	4.0	4.0	3.1	3.7	4.0	3.7	3.6	3.6	3.7	3.5	4.0	4.3	4.2	4.0	5.0	3.65	24	9.0
15	4.0	3.0	3.0	3.0	3.0	3.0	3.9	4.3	4.0	4.0	4.0	3.5		3.0	3.0	3.0	3.0	3.0	3.0	4.3	4.5	4.0	5.3	4.1	3.60	23	11.0
16	3.8	3.0	3.0	3.0	3.0	3.6	4.4	4.8	4.3	4.1	4.5	4.4	6.7	5.6	5.3	5.7	4.8	4.8	4.5	4.0	5.9	7.1	5.5	5.1	4.61	24	10.0
17	4.0	4.0	3.8	3.6	5.4	6.4	7.8	6.6	5.6	4.8	4.1	4.0	4.0	5.0	4.0	4.0	4.2	3.7	3.7	4.0	4.0	3.8	3.3	3.3	4.44	24	9.0
18	3.9	4.3	3.1	3.0	3.6	4.2	4.7	5.8	5.8	5.7	6.2	5.4	5.9	7.2	5.3	5.0	5.2	4.2	4.1	4.7	6.7	6.6	6.4	4.4	5.04	24	11.0
19*	4.3	3.4	3.1	3.0	3.8	4.0	4.1	4.0	4.1	3.9	3.1	3.3	3.1	3.2	3.5	3.3	3.0	3.0	3.4	4.1	4.2	3.0	3.0	3.0	3.48	24	6.0
20*	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.2	4.2	5.1	5.9	5.2	5.2	5.3	5.2	3.9	3.3	3.1	3.68	24	7.0
21	3.1	3.0	3.0	3.0	3.0	4.3	4.9	5.8	5.3	4.9	4.8	4.5	4.6	4.8	5.4	5.7	5.7	5.1	4.7	4.7	5.0	4.2	4.4	4.0	4.48	24	9.0
22	3.7	3.0	3.0	3.0	3.0	4.6	4.1	4.3		3.1	3.7	3.2	3.2	3.3	3.7	3.4	3.3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.32	23	6.0
23	3.0	3.0	3.0	2.0	2.8	3.0	3.2	3.0	2.3	2.2	3.0	3.0	3.0	2.8	2.1	3.0	2.7	2.7	2.0	2.0	2.0	2.0	2.0	2.0	2.56	24	4.0
24	2.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.3	2.3	2.6	3.0	2.5	2.5	2.3	3.0	3.0	3.0	3.8	2.39	24	8.0
25	3.6	4.7	5.0	4.4	4.0	4.3	5.1	5.0	5.0	5.0	5.3	4.0	4.0	4.0	4.7	5.2	4.6	4.5	4.3	4.5	4.2	4.1	3.8	3.1	4.42	24	6.0
26*	3.0	2.6	2.0	2.0	2.0	2.0	2.8	3.2	3.0	3.0	3.8	3.6	4.0	3.6	3.8	4.0	4.3	4.0	4.3	4.8	4.7	4.3	4.8	4.5	3.49	24	6.0
27*	3.8	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.4	3.0	3.0	3.1	4.8	5.0	4.7	4.8	4.8	4.3	5.2	4.5	4.3	4.7	4.2	3.5	3.82	24	8.0
28	3.0	3.2	3.0	3.0	3.0	4.3	4.5	3.9	3.0	3.8	3.5	3.3	3.0	3.0	3.7	3.4	3.0	3.0	3.4	3.0	3.0	2.1	4.0	3.0	3.29	24	9.0
29	2.1	2.0	2.0	2.0	2.0	2.0	2.9	3.7	3.0	3.0	2.2	2.0				4.3	4.0	3.2	1.8	2.4	3.2	3.0	3.6	3.2	2.72	21	5.0
30	3.0	2.7	2.0	1.8	2.0	2.0	1.0	1.0	1.0	1.0	0.8	1.5	2.5	2.3	2.0	2.0									1.78	16	3.0
31		2.0	2.0	2.0	2.0	2.4	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.7	4.0	4.4	2.93	23	7.0
MEAN	3.4	3.1	2.8	2.7	3.0	3.4	3.9	4.0	4.0	3.6	3.6	3.5	3.7	3.9	4.1	4.2	4.2	3.8	3.7	3.9	4.0	3.9	3.9	3.6	3.65		
NO.	30	31	31	31	31	31	31	31	29	31	31	31	29	30	30	31	30	30	30	30	30	30	30	30		729	
MAX.	5.0	4.7	5.0	4.4	5.4	6.4	7.8	6.9	7.5	5.7	6.2	5.7	6.7	7.2	6.8	5.9	5.9	6.1	6.4	6.2	6.7	7.1	6.5	5.1	5.04		11.0

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-49.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

CHICAGO, ILL.

TOTAL HYDROCARBON
JUNE 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	3.0	3.0	2.1	2.0	2.2	3.0	3.3	4.1	3.6	3.3	3.8	3.3	4.3	4.1	4.0	4.3	4.0	4.1	4.0	4.1	4.0	3.9	3.6	3.0	3.49	24	5.0
2*	3.1	3.0	3.0	2.9	2.3	3.0	3.0	3.0	3.0	3.0	3.2	3.1	3.2	3.4	3.4	4.0	3.5	4.0	4.2	3.8	3.1	3.4	3.8	3.0	3.25	24	5.0
3*	3.1	3.0	3.0	2.6	2.0	2.0	2.0	2.0	2.3	3.0	3.0	4.0	4.1	4.8	5.1	4.8	4.8	5.1	4.0	4.0	4.1	4.6	3.9	3.2	3.50	24	6.0
4	3.0	2.3	2.0	2.0	2.8	4.3	5.0	4.0	4.0	4.1	3.5	3.2	3.1	3.9	5.5	5.5	4.9	4.3	3.1	4.1	4.1	4.4	5.2	3.0	3.79	24	13.0
5	3.0	3.0	3.5	4.0	4.3	6.7	5.5	4.1			4.0	4.0	4.2	4.3			5.6	4.7	4.1	3.8	3.1	4.0	3.8	3.0	4.12	20	9.0
6	3.0	3.0	3.0	3.0	2.8	3.8	4.8	5.5	5.1	4.8	4.6	4.0	4.7	5.6	6.8	6.0	5.9	4.9	4.1	4.0	4.3	4.0	3.4	3.2	4.34	24	12.0
7	3.0	3.0	3.0	3.0	2.8	4.3	5.7	4.4	4.2	4.0	3.0	3.0	3.8	4.3	5.3	7.0	6.2	5.5	5.4	4.0	3.2	3.4	3.3	3.1	4.07	24	9.0
8	3.0	3.0	2.4	2.0	2.2	4.2	4.9	4.9	4.3	4.0	3.7	3.9	4.1	5.0		5.0	5.4	4.3	3.5	4.5	5.2	4.7	4.1	3.6	3.98	23	7.0
9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.4	3.2	3.2	3.0	3.3	3.8	3.0	3.0	4.4	4.4	5.1	6.7	4.5	4.0	3.53	24	8.0
10*	3.2	3.0	3.0	2.6	2.0	2.9	2.1	2.0	2.0	2.0	2.0	2.0	2.9	3.0	3.0	3.0	3.0	3.0	2.9	2.0	2.0	2.8	3.0	3.0	2.59	24	4.0
11	3.0	2.1	2.0	2.0	2.0	2.8	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.4	4.5	4.9	3.9	3.1	2.9	2.1	2.2	2.0	2.0	2.0	2.82	24	6.0
12	1.3	1.7	1.0	1.0	1.4	2.6	2.4	2.2		2.0	2.0	2.0	2.5	3.1	3.1	3.3	2.5	2.2	2.6	2.2	2.2	2.9	2.8	2.3	2.22	23	4.0
13	2.0	2.0	2.0	1.7	1.7	3.1	3.8	3.7	3.1	3.0	2.9	2.1	2.3	3.0	3.1	3.3	3.5	3.1	3.3	3.0	3.1	3.0	2.1	3.0	2.77	24	6.0
14	2.4	2.0	2.0	2.0	2.2	3.4	4.3	4.5	3.0	3.3	3.0	2.4	2.9	3.0	3.0	3.9	4.0	4.0	3.8	3.5	3.3	4.9	3.6		3.22	23	9.0
15	5.4	4.2	4.8	3.3	4.8	5.6	4.8	4.4	5.3	5.3	4.2	3.3	3.0	3.0	3.2	3.3	2.9	2.1	3.8	4.0	4.1	4.0	3.8		4.01	23	9.0
16*																											
17*																											
18																											
19																											
20	6.5	6.3	3.3	3.0	3.0	3.8	3.9	4.1	4.1	4.6	4.1	4.1	4.3	4.4	5.1	5.7	5.0	4.2	4.3	3.3	3.5	3.4	3.6	2.8	4.17	24	16.0
21																											
22																											
23*	5.6	4.1	3.1	2.3	3.3	2.8	2.8	4.9	4.4	3.2	3.3	3.5	2.9	3.8	5.2	5.9	7.1	4.6	5.1	3.9	5.3	5.9	6.3	5.9	4.78	15	10.0
24*	3.1	2.7	2.3	2.6	3.5	3.5	3.0	3.0	2.9	4.4	3.8	4.2	4.0	2.9	2.9	3.8	3.9	5.5	4.4	3.3	3.6	3.1	4.1	4.1	3.79	24	8.0
25	3.5	5.1	3.8	3.0	3.0	3.9	4.4	4.0	4.2	5.5	5.2	4.1	3.4	3.7	4.3	4.0	4.0	4.1	3.5	3.7	3.7	3.8	3.8	3.4	3.40	24	6.0
													3.3	3.5	3.7	3.9	4.0	3.7	3.4	3.7	3.9	3.3	2.9	2.5	3.80	24	8.0
26	2.1	2.0	2.0	2.1	2.5	4.3	4.9	5.3		4.1	3.6	3.8	4.6	5.0		4.9	4.8	4.3	3.8	3.4	3.6	4.0	4.2	2.6	3.71	22	7.0
27	1.4	1.3	1.1	0.9	1.1	3.9	4.3	3.4	3.8	3.7	3.8	3.8	3.8	4.7	5.0	6.0	5.3	4.9	4.9	4.8	4.3	5.1	3.8	3.3	3.68	24	8.0
28	3.0	2.8	3.3	3.0	3.7	3.4	6.2	4.8	4.3	5.2	4.1	3.8	3.8	4.5	4.3	5.1	4.8	4.4	5.9	4.5	4.0	3.3	2.8	3.3	4.08	24	14.0
29	5.1	3.3	2.8	2.9	3.0	3.4	3.7	4.3	4.2	3.9	3.4	3.3	3.2	3.7	3.8	3.9	4.1	3.6	3.8	4.4	5.8	5.5	5.4	4.0	3.92	24	9.0
30*	4.1	5.1	5.5	3.1	4.1	3.9	4.8	4.7	4.2	3.8	3.8	4.0	4.5	4.3	4.8	5.5	4.4	4.1	4.7	4.8	5.4	4.6	4.2	3.8	4.42	24	14.0
MEAN	3.3	3.1	2.8	2.5	2.7	3.6	4.0	3.9	3.7	3.7	3.5	3.4	3.6	3.9	4.2	4.6	4.4	4.0	4.0	3.7	3.8	4.0	3.8	3.3	3.64		
NO	24	24	24	24	24	24	24	24	21	24	25	25	25	25	22	24	25	25	25	25	25	25	25	23		581	
MAX	6.5	6.3	5.5	4.0	4.8	6.7	6.2	5.5	5.3	5.5	5.2	4.2	4.7	5.6	6.8	7.0	7.1	5.5	5.9	4.8	5.8	6.7	6.3	5.9	4.78		16.0

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-50.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
JULY 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS.	5-MIN MAX.
1*	3.2	3.6	3.0	3.0	2.7	3.0	3.2	3.2	3.1	3.3	3.8	3.5	4.5	4.2	4.0	4.7	4.3	3.8	4.7	5.7	6.2	4.7	3.6	2.8	3.80	24	8.0
2	2.0	2.0	2.0	2.1	2.3	3.6	3.7	4.4		3.7	4.3	3.8	3.3	4.7	3.3			3.9	4.3	5.0	4.4	4.6	4.7	4.1	3.61	21	9.0
3	4.5	3.0	3.5	3.0	3.3	4.8	7.1	6.5		5.9	5.1	5.5	5.3	5.4	5.6	6.7	5.8	5.8	4.9	4.4	4.6	4.0	3.8	3.8	4.87	23	9.0
4	3.5	3.0	3.0	2.9	2.6	2.8	3.2	3.0	3.0	3.1	3.3	3.4	3.8	4.1	4.3	4.3	3.7	4.4	5.7	5.3	6.8	5.5	5.1	4.3	3.90	24	9.0
5	3.3	2.5	2.9	2.9	3.3	4.4	5.9	5.0	4.7	4.1	4.9	4.9	5.0	5.3	5.8	6.6	6.2	4.8	4.6	4.6	4.0	4.2	4.1	3.8	4.48	24	10.0
6	4.1	3.9	3.0	3.0	3.4	5.6	6.7	7.2	8.3	6.3	7.3	6.5	6.9	7.4	7.3	7.3	6.5	6.1	6.1	6.1	6.0	6.9	5.3	4.4	5.89	24	13.0
7*	4.2	3.9	3.5	3.7	4.3	5.8	5.8	5.7	5.3	6.1	5.8	5.8	6.2	5.3	5.8	6.2	5.8	5.3	4.8	5.8	5.1	4.7	6.3	6.3	5.29	24	10.0
8*	4.8	3.4	3.1	3.0	3.0	3.0	3.0	3.1	3.0	3.2	3.3	3.2	3.3	3.1	3.4	3.4	3.1	3.0	3.6	3.8	4.5	4.4	3.3	3.1	3.37	24	6.0
9	3.0	3.0	2.9	3.0	3.2	4.5	5.3	4.9	4.7	4.3	4.9	4.5	4.3	4.8	5.3	5.6	5.4	4.3	3.8	4.1	3.8	3.6	3.1	3.1	4.12	24	7.0
10	4.5	5.3	5.1	3.7	3.3	4.3	4.2	4.8		3.9	3.9	3.8	3.8	4.2	4.4	4.7	3.8	3.4	3.3	4.0	4.9	4.2	4.1	7.1	4.29	23	15.0
11	4.3	3.8	3.1	3.2	4.0	5.4	5.3	4.8	4.9	5.4	5.4	5.6	6.7	7.3	6.5	7.3	5.8	4.6	4.3	4.4	3.9	4.8	4.0	4.0	4.94	24	10.0
12	3.3	3.0	3.2	3.1	4.2	6.3	4.8	5.4	5.5	5.2	5.7	5.6	5.8	5.3	4.6	5.4	5.1	4.8	5.5	5.3	4.9	5.6	4.0	3.8	4.79	24	12.0
13	3.7	3.9	3.8	4.1	5.1	5.9	6.3	5.0	5.0	4.6	4.7	5.6	5.3	6.5	6.7	7.3	7.0	5.8	5.3	6.1	4.6	4.7	4.5	4.1	5.21	24	9.0
14*	4.2	3.3	3.0	3.0	3.1	3.3	3.8	4.6	5.3	5.3	5.3	5.7	5.6	5.6	6.0	5.5	5.3	4.4	4.6	5.5	4.5	4.2	4.8	4.8	4.59	24	9.0
15*	4.4	3.8	3.0	3.2	3.3	3.3	3.3	3.3	3.8	4.3	4.5	4.5	5.1	5.3	6.1	5.7	5.1	4.9	5.2	4.8	4.5	5.0	4.1	4.8	4.36	24	8.0
16	3.6	3.0	3.1	3.0	3.5	4.8	5.5	6.8	5.4	5.3	5.6	6.3	6.2	6.2	6.5	6.6	5.9	5.7	5.3	4.9	5.0	4.8	4.8	4.6	5.09	24	11.0
17		3.4	3.3	3.3	4.1	5.3	7.0	6.1		4.9	5.3	4.3	4.3	4.8	4.7	4.5	4.3	4.3	4.3	4.3	4.7	4.8	6.7	8.1	4.83	22	11.0
18	6.5	5.5	4.7	4.0	4.1	5.7	6.3	5.9	4.6					3.4	3.9	4.3	3.9	3.3	3.7	3.8	3.6	4.3	4.7	6.3	4.61	20	11.0
19	7.5	9.4	6.1	5.5	7.3	10.5	10.6	7.1	4.7	4.3	4.8	3.4	3.7	2.8	3.0	3.1	2.9	2.5	2.9	2.9	3.2	3.7	2.8	2.5	4.87	24	13.0
20	2.3	2.0	2.0	2.3	2.8	3.7	3.7	3.8	3.4	3.2	3.7	3.3	3.5	4.3	3.7	3.4	3.1	2.3	3.8	3.3	3.8	4.2	3.6	3.8	3.26	24	6.0
21*	2.2	2.0	2.0	2.1	2.0	2.3	2.3	2.3	2.9	4.0	4.3	3.8	3.5	3.9	3.2	3.0	2.5	2.4	2.5	4.3	5.3	4.8	6.2	3.8	3.22	24	9.0
22*	4.0	3.0	2.9	2.1	2.0	2.0	2.0	2.1	2.2	2.0	2.0	2.3	2.3	2.2	2.0	2.8	3.8	2.4	3.2	2.3	2.2	2.7	2.5	2.0	2.44	24	6.0
23	2.7	1.8	1.1	1.0	1.5	2.8	4.5	4.8	4.1	3.9	3.8	4.3	4.8	4.2	4.5	3.9	4.6	3.3	2.9	3.1	3.0	2.5	2.0	2.3	3.21	24	6.0
24																											
25																											
26																											
27																											
28*																											
29*																											
30																											
31																											
MEAN	3.9	3.5	3.2	3.0	3.4	4.5	4.9	4.8	4.4	4.4	4.6	4.5	4.7	4.8	4.8	5.1	4.7	4.2	4.3	4.5	4.5	4.5	4.2	4.2	4.31		
NO.	22	23	23	23	23	23	23	23	19	22	22	22	22	23	23	22	22	23	23	23	23	23	23	23		541	
MAX.	7.5	9.4	6.1	5.5	7.3	10.5	10.6	7.2	8.3	6.3	7.3	6.5	6.9	7.4	7.3	7.3	7.0	6.1	6.1	6.1	6.8	6.9	6.7	8.1	5.89		15.0

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-51.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
AUG. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN. MAX.
1																											
2																											
3																											
4*																											
5*																											
6																											
7										1.0	1.8	1.8	1.7	1.8	2.6	4.9	4.7	3.6	3.0	1.8	2.5	2.9	3.7		2.69	14	8.0
8		4.8	2.0	0.8	1.0	2.8	3.7	3.3	2.5	1.9	1.8						1.1	1.6	0.9	0.9	0.8	1.0	0.4	0.2	1.73	18	5.0
9	0.1	0.0	0.0	0.0	0.0	0.7	1.4	1.1	0.7						2.7	3.3	3.0	2.3	1.9	2.1	2.4	3.9	1.5	1.3	1.47	19	11.0
10	0.8	0.4	0.2	0.4	0.8	1.4	1.3	1.8	1.2	1.4	1.6	1.9	1.8	2.3	3.4	3.2	3.2	2.3	3.6	3.7	3.5	3.3	1.8	1.5	1.93	24	6.0
11*	1.1	1.1	1.0	1.2	3.5	4.0	2.3	1.9	1.8	1.3	1.3	1.4	1.7	1.3	1.3	1.4	1.3	1.1	1.3	2.3	2.4	1.8	1.9	1.1	1.68	24	6.0
12*	1.1	1.0	1.0	1.0	1.0	0.7	0.4			0.9	1.1	1.1	1.1	0.8	1.2	1.0	0.0		1.5	2.0	2.0	2.2	1.8	1.4	1.14	21	3.0
13	0.6	1.0	0.9	1.0	0.6	1.9	3.2	2.8	2.8	2.4						3.8	3.1	2.3	1.9	1.6	1.8	1.3	1.3	1.2	1.86	19	7.0
14																											
15																											
16	1.6	1.0	1.0	1.0	1.6	2.0	2.4	2.8	3.1	2.8	3.5	3.4	3.3	3.4	3.6	4.3	3.4	2.5	2.5	3.0	2.6	3.4	4.9	3.0	2.75	24	7.0
17	1.7	2.4	2.3	1.3	1.3	2.4	2.7	2.4	1.7	2.2	2.2	2.7	3.2	3.8	2.9	2.7	3.1	2.0	2.2	2.5	2.4	3.9	4.3	3.3	2.55	24	8.0
18*		3.3	3.0	2.8	2.7	6.3	7.0	4.9	2.6	2.2	2.0	2.2	2.8	2.3	2.3	2.4	3.2	3.0	1.8	2.3	2.1	1.9	2.4	2.7	2.95	23	8.0
19*	2.0	1.2	1.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.2	1.3	1.3	1.3	1.2	1.8	1.4	1.8	2.3	2.7	2.5	2.4	2.3	1.49	24	4.0
20	2.3	2.3	1.3	1.3	2.0	4.3	5.6	4.5	3.8	3.9	5.2	3.7				5.1	4.3	3.7	4.2	3.3	3.1	3.2	5.6	2.8	3.56	21	17.0
21	2.8	2.0	1.8	2.5	2.5	4.8	5.8	4.7	2.9		2.4	2.4	1.9	1.9	3.8	3.7	2.2	1.8	3.2	2.7	1.9	1.5	1.8	1.0	2.68	23	8.0
22	1.7	2.0	3.1	4.5	3.6	2.6	2.8	2.1	2.0	2.0			2.5	2.8	4.2	4.1	4.6	3.3	3.1	2.4	1.9	2.3	2.1	1.4	2.76	22	7.0
23	1.0	1.2	1.2	1.1	1.0	1.3	2.2	2.8	2.3	2.5	2.6	2.9	2.7	3.3	3.3	3.3	2.9	2.5	2.2	2.8	2.8	2.4	3.5	2.0	2.30	24	9.0
24	2.1	2.0	2.0	2.0	2.0	3.0	3.8	3.8	3.8	3.8	3.5	2.5	2.5	3.3	3.1	3.0	3.1	2.1	2.3	3.3	3.6	3.2	2.7	2.5	2.85	24	6.0
25*	4.0	2.2	2.0	2.0	2.3	2.3	3.1	3.4	3.6	3.9	4.4	5.1	4.9	5.0	4.1	4.0	4.8	4.1	4.7	4.9	3.8	3.8	4.3	4.5	3.79	24	9.0
26*	4.6	4.3	3.5	3.0	3.1	3.0	3.3	3.2	3.3	3.2	3.0	3.5	4.3	4.5	4.3	4.6	5.2	4.3	4.2	5.8	4.1	3.3	4.0	5.3	3.93	24	7.0
27	5.3	4.3	4.1	4.0	4.3	5.8	5.4	5.0	5.3	4.8	4.2	3.9		3.0	4.7	4.0	2.3	2.1	2.2	2.5	2.8	2.7	2.6	3.2	3.82	23	8.0
28	1.2	1.1	1.0	1.2	2.0	2.2	2.7	3.0		2.1	1.9	2.0	2.0	2.2	2.3	2.3	2.3	2.0	2.3	2.1	2.8	2.6	3.5	2.4	2.13	23	8.0
29	1.4	1.6	1.3	2.0	1.8	1.9	2.6	2.5	2.0	2.3	2.0	2.2	2.1	2.2	2.3	2.4	2.1	2.1	2.5	2.8	2.2	2.8	3.2	2.5	2.18	24	6.0
30	1.7	1.3	1.7	1.3	1.8	3.2	3.4	3.1	2.7	2.4	2.3	2.0	2.1	2.1	2.3	2.8	2.1	1.9	2.0	1.9	2.3	2.0	2.4	2.5	2.20	24	6.0
31	4.4	1.4	1.2	1.6	1.7	2.0	2.1	2.6	2.2	2.4	2.1	2.2	2.1	2.6	2.7	3.4	2.9	2.7	2.1	2.3	2.3	2.8	2.3	2.1	2.32	24	8.0
MEAN	2.1	1.9	1.7	1.7	1.9	2.7	3.1	3.0	2.5	2.4	2.5	2.5	2.4	2.6	2.9	3.2	2.9	2.5	2.5	3.0	2.6	2.6	2.8	2.3	2.48		
NO	20	22	22	22	22	22	22	21	20	21	20	19	18	19	20	22	23	22	23	23	23	23	23	22		514	
MAX	5.3	4.8	4.1	4.5	4.3	6.3	7.0	5.0	5.3	4.8	5.2	5.1	4.9	5.0	4.7	5.1	5.2	4.3	4.7	5.8	4.1	3.9	5.6	5.3	3.93		17.0

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-52.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM

FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
SEPT. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1*	3.2	1.7	1.3	1.2	1.0	1.8	2.5	2.3	2.3	1.9	2.3	2.6	2.7		2.0	2.7	2.2	2.3	3.0	2.5	2.7	2.3	3.1	3.1	2.27	23	6.0
2*	2.8	2.1	1.4	1.1	1.1	1.8	1.3	1.0	1.1	1.2	1.1	1.4	2.2	2.3	2.3	2.6	2.8	2.7	2.6	3.3	3.0	3.3	3.2	1.9	2.04	24	5.0
3	1.3	1.2	1.6	1.0	1.2	1.5	1.3	1.5	1.2	1.3	1.5	1.8	2.0	2.2	1.4	1.2	1.4	1.5	1.6	2.1	1.8	2.0	1.2	1.0	1.48	24	3.0
4																											
5																											
6																											
7																											
8*																											
9*																											
10																											
11																											
12									4.0			3.2	3.0	3.1	3.4	3.9	3.0	3.0	3.0	3.0	3.0	3.3	3.7	3.0	3.25	14	5.0
13	3.0	2.0	2.0	2.0	2.2	3.1	3.8	4.2	3.7	3.3	3.3	2.9	2.9	2.8	2.5	3.0	2.9	2.9	3.0	3.4	3.2	3.3	3.3	3.1	2.97	24	5.0
14	3.7	2.1	2.0	2.0	3.1	4.3	5.2	6.5	5.3	4.8	4.3	4.8	3.7	3.0	3.3	3.5	4.0	3.3	3.4	3.7	3.3	3.8	3.0	2.8	3.69	24	7.0
15*	2.3	2.1	2.0	2.2	2.4	3.1	3.4	3.3	3.1	3.7	4.0	3.9	5.3	4.5	3.9	3.6	3.9	4.5	5.1	4.9	4.3	4.3	4.0	4.1	3.54	24	6.0
16*	3.8	3.3	3.1	3.0	3.0	2.9	2.4	2.8	3.0	3.0	3.0	3.1	3.8	4.1	4.5	5.3	5.8	5.7	5.4	6.0	4.8	4.6	3.6	3.0	3.86	24	7.0
17	2.3	2.0	2.0	2.0	2.0	2.7	3.5	4.1	3.7	3.0	3.0	2.7	2.4	2.8	2.8	3.1	3.0	3.0	2.9	2.9	2.8	2.3	2.7	2.1	2.73	24	5.0
18	2.0	2.0	2.0	2.0	2.0	2.1	3.1	3.3	2.4	2.1	2.3				2.8	3.1	3.0	2.8	2.8	2.9	3.3	3.0	3.0	3.0	2.62	21	4.0
19	2.4	2.1	2.0	2.0	2.2	3.6	4.9	5.4	4.3	4.4	4.2	3.9	4.4	4.9	5.3	5.7	5.1	4.5	4.0	3.3	3.2	3.4	3.1	3.2	3.79	24	7.0
20	2.1	2.2	2.0	2.0	2.0	3.1	4.0	4.3						4.4	5.3	6.0	6.2	6.1	4.8	4.1	3.5	3.0	2.4	2.8	3.69	19	7.0
21	2.8	2.7	3.0	2.3	2.2	3.1	3.9	3.7	3.1										4.4	4.3	3.4	3.8	3.2	3.7	3.28	15	5.0
22*	3.2	4.2	3.0	3.0	3.0	2.3	3.1	3.6	4.1	4.8	4.4	5.5	5.6	4.8	6.2	6.1	5.2	6.0	6.4	6.3	6.9	7.0	7.3	7.1	4.95	24	8.0
23*	6.5	3.2	2.8	2.3	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.6	3.2	4.1	4.7	5.3	6.1	5.7	5.8	6.2	6.6	5.4	3.8	3.0	3.79	24	7.0
24	3.0	2.0	2.0	2.3	2.2	3.0	3.6	4.0	4.0	3.2	3.1	2.9	3.1	3.0	3.1	3.2	3.2	3.1	3.1	3.0	3.0	3.1	3.6	3.1	3.02	24	7.0
25	3.1	2.3	2.0	2.0	2.2	3.4	3.8	4.6		5.0	4.6	3.8	3.8			6.8	7.4	4.7	3.4	3.1	3.3	3.8	4.3	3.5	3.84	21	8.0
26	3.8	3.9	3.1	3.0	3.0	3.0	3.2	3.8	4.6	4.5	3.8	3.0	3.8	4.2	4.3	4.7	5.0	4.8	4.5	4.1	3.5	3.0	2.8	2.8	3.74	24	5.0
27	3.0	3.0	3.0	3.0	4.3	5.8	7.4	7.3	6.0	5.5	3.6	3.0	3.3	3.6	4.5	4.3	3.7	3.7	3.3	3.5	3.4	3.4	2.0	2.0	3.97	24	11.0
28	2.0	2.0	2.0	2.0	2.1	3.0	3.6	4.1	5.3	4.3	3.6	3.0	4.4	5.1	4.0	4.5	5.2	3.5	3.3	3.1	3.9	3.8	3.1	3.7	3.50	24	6.0
29*	2.9	5.3	2.3	2.2	2.3	2.8	3.8	3.3	2.6	2.1	2.5	2.6	2.9	2.5	2.5	3.0	3.0	2.4	2.8	2.9	3.3	3.7	5.0	5.5	3.08	24	12.0
30*	3.9	3.7	2.6	2.1	2.3	2.8	2.4	2.8	2.9	2.1	2.0	2.0	2.2	2.4	2.3	2.8	3.3	5.3	3.1	3.4	3.3	3.5	2.7	2.2	2.83	24	8.0
MEAN	3.0	2.6	2.2	2.1	2.3	2.9	3.4	3.7	3.4	3.3	3.1	3.1	3.4	3.5	3.6	4.0	4.1	3.9	3.7	3.7	3.6	3.6	3.3	3.1	3.27		
NO.	21	21	21	21	21	21	21	21	20	19	19	19	19	18	20	21	21	21	22	22	22	22	22	22		497	
MAX	6.5	5.3	3.1	3.0	4.3	5.8	7.4	7.3	6.0	5.5	4.6	5.5	5.6	5.1	6.2	6.8	7.4	6.1	6.4	6.3	6.9	7.0	7.3	7.1	4.95		12.0

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-53.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
OCT. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	2.1	2.0	2.0	2.0	2.1	2.9	4.3	3.0	3.2	3.1	3.3	3.4	3.6	3.5	4.9	4.9	4.7	4.3	3.8	4.2	3.3	2.8	2.4	2.0	3.23	24	8.0
2	2.0	2.0	2.0	2.0	2.0	3.3	3.9	4.1		3.5	3.6	3.2	3.5	3.9	4.3	4.8	4.5	3.3	3.5	3.3	3.4	2.8	2.3	2.2	3.18	23	7.0
3	2.2	2.0	2.0	2.0	2.1	2.8	3.8	4.1				2.3	2.5	2.7	2.9	3.1	3.0	3.1	3.1	3.8	3.5	3.0	3.0	2.8	2.83	21	6.0
4	2.0	2.1	2.0	2.0	2.2	2.8	3.8	4.1	3.3	3.1	3.1	3.1	2.9	3.3	3.5	4.0	3.3	4.0	3.4	3.9	4.2	4.9	4.0	2.9	3.23	24	7.0
5	2.6	2.3	2.8	3.0	3.3	4.2	5.0	4.4	4.2	4.2	4.8	4.8	3.9	4.9	4.9	4.6	4.4	3.8	3.3	3.5	3.5	3.6	3.7	3.3	3.87	24	9.0
6*	2.5	2.3	2.3	4.1	4.0	2.7	3.1	2.9	2.9	2.6	2.3	2.8	2.8	3.2	3.5	3.2	3.6	3.8	3.5	4.6	3.3	2.3	2.5	2.4	3.03	24	6.0
7*	3.1	2.1	2.0	2.0	2.0	2.2	2.4	2.3	2.0	2.0	2.3	2.3	2.8	2.6	3.5	4.7	4.3	3.8	3.5	3.9	4.8	3.7	2.4	2.0	2.86	24	6.0
8	2.0	1.6	1.1	1.3	1.4	2.0	2.0	2.1	2.0	2.0	2.0	2.1	2.4	2.4	2.6	2.9	2.9	2.9	2.5	2.5	2.8	2.4	3.3	2.2	2.21	24	9.0
9	2.1	2.0	2.0	2.0	2.0	3.3	4.8	6.3	6.8		3.5	2.9	3.0	3.6	4.1	4.7	4.5	4.1	3.8	6.4	6.6	5.8	5.7	7.9	4.24	23	12.0
10	6.7	5.0	4.0	3.5	3.2	4.8	7.5	6.2	4.8	2.8	3.4	3.3	2.8	3.3	3.1	3.9	3.4	3.8	2.4	2.2	2.1	3.8	2.0	2.0	3.74	24	11.0
11	2.0	2.0	2.0	2.0	2.1	2.2	2.5	3.1	8.3	8.2	3.4	2.6	2.5	2.4	2.9	3.2	3.3	2.3	2.4	2.1	2.0	2.5	2.0	2.0	2.90	24	16.0
12	2.0	1.5	1.7	2.0	2.0	3.3	3.7	3.0	2.8	2.6	3.4	3.2	3.6	5.0	4.4	4.8	4.5	3.7	3.0	3.3	2.7	2.3	2.5	2.7	3.05	24	10.0
13*	2.1	2.1	1.7	1.0	1.1	1.8	1.7	2.0	2.3	3.3	2.1				3.9	5.1	4.8	2.9	3.1	3.3	3.4	3.4	3.2	3.4	2.73	21	7.0
14*	3.0	3.2	3.0	2.7	3.0	2.6	3.8	3.3	3.1	2.7	2.4	2.7	2.3	2.7	2.8	3.2	3.0	3.2	2.8	3.1	2.9	2.9	2.8	2.0	2.86	24	6.0
15	2.0	2.3	2.1	2.0	2.0	2.8				3.8	3.5	3.0	2.9	2.9	3.3	3.3	3.2	3.0	2.9	2.3	2.1	2.1	3.0	2.2	2.69	21	6.0
16	2.0	2.0	2.0	2.0	2.0	2.1	2.5	2.8	2.0	2.3	2.3	2.3	2.2	2.5	3.1	3.3	3.2	2.5	2.2	2.1	2.4	3.2	2.1	2.0	2.36	24	7.0
17	2.0	2.0	2.1	2.3	3.0	4.3	4.5	3.5	3.4	3.2	2.9	2.8	2.5	2.5	2.8	3.2	3.2	2.8	2.8	3.8	3.5	3.6	3.9	2.0	3.01	24	8.0
18	2.0	2.0	2.3	2.2	2.0	2.8	3.7	3.9	3.0	2.7	2.8	2.2	2.3	2.2	2.7	3.2	3.2	2.9	3.6	3.7	4.2	3.5	3.2	3.6	2.88	24	7.0
19	2.7	2.2	3.0	2.6	2.0	2.7	3.5	3.9	4.3	3.2	3.0	2.6	2.8	2.8	3.1	3.5	3.2	4.1	3.7	3.3	3.3	3.8	3.2	3.4	3.14	24	7.0
20*	3.4	3.1	2.2	2.1	2.0	2.8	2.8	3.7	4.7	3.7	3.9	4.0	5.7	3.9	3.7	3.3	4.2	3.9	4.3	3.9	3.3	3.3	3.5	3.3	3.51	24	10.0
21*	2.9	2.4	2.0	2.0	2.0	2.1	2.1	2.0	2.0	2.2	2.2	2.1	2.4	2.3	2.8	2.4	2.5	2.4	3.1	3.3	3.0	2.4	2.6	2.3	2.39	24	4.0
22	2.2	2.0	2.0	2.1	2.0	2.0	2.5	3.3	3.0	2.3	2.1	2.0	2.5	2.4	2.8	3.3	4.5	3.3	2.3	2.6	2.5	2.4	2.0	2.0	2.49	24	6.0
23	2.0	2.0	2.0	2.0	2.0	2.2	2.5	2.8		2.4	2.8	2.6	2.3	2.9	2.5	2.8	2.4	2.1	2.0	2.3	2.2	1.9	2.0	2.3	2.29	23	7.0
24	1.3	1.0	1.0	1.0	1.0	1.7	2.3	2.3	2.1	2.2	2.1	2.0	2.2	2.6	2.6	3.2	2.4	2.3	2.3	2.3	2.9	2.0	2.3	3.3	2.08	24	9.0
25	1.2	1.0	1.0	1.0	1.1	1.4	1.8	2.1	2.3	3.0	3.1	3.0	3.0	3.0	3.0	3.8	3.1	3.2	3.2	3.0	2.9	3.0	2.1	2.3	2.39	24	5.0
26	2.3	2.0	2.0	2.0	2.0	2.8	3.5	3.6	3.3	3.0	3.0	3.1	2.9	3.2	3.0	3.5	3.1	3.2	3.2	3.5	3.8	4.0	3.3	3.0	3.00	24	5.0
27*	3.0	2.9	2.8	3.2	2.5	2.9	3.0	3.0	2.8	2.9	3.1	3.2	3.0	3.0	2.8	2.8	2.3	2.7	2.9	2.2	2.0	2.0	2.0	2.0	2.70	24	6.0
28*																											
29										2.9	2.7	2.5	2.3	2.4	2.7	3.8	3.7	3.3	3.5	2.6	2.3	3.3	2.2	2.1	2.80	15	7.0
30																											
31	2.8	2.3	2.1	2.0	2.0	2.4	3.4	4.7	4.8	4.3	4.2	3.9	4.0	3.7	4.6	4.4	4.7	4.3	3.7	3.8	3.3	3.5	3.4	3.2	3.54	24	7.0
MEAN	2.4	2.2	2.1	2.1	2.1	2.7	3.3	3.4	3.5	3.1	3.0	2.8	2.9	3.1	3.3	3.7	3.5	3.3	3.1	3.3	3.2	3.1	2.8	2.7	2.94		
NO	28	28	28	28	28	28	27	27	24	27	28	28	28	28	29	29	29	29	29	29	29	29	29			675	
MAX	6.7	5.0	4.0	4.1	4.0	4.8	7.5	6.3	8.3	8.2	4.8	4.8	5.7	5.0	4.9	5.1	4.8	4.3	4.3	6.4	6.6	5.8	5.7	7.9	4.24		16.0

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-54.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM

FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
NOV. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX.
1	2.7	2.2	2.3	2.1	2.2	2.2	2.8	2.9	2.5	2.5	2.8	2.8	3.0	3.1	3.4	3.8	3.7	3.6	3.2	3.6	3.3	3.2	3.6	3.5	2.94	24	7.0
2	3.5	2.6	2.7	2.2	2.8	3.1	3.3	4.0	4.0	3.7	3.3	3.2	3.3	3.5	3.4	4.1	5.3	3.5	3.4	2.8	2.7	2.4	3.3	3.7	3.31	24	9.0
3*	3.5	3.5	4.3	3.2	3.1	3.2	3.7	3.6	3.3	3.5	3.5	3.3	4.1	3.4	3.4	3.6	3.9	4.2	3.9	3.2	3.5	3.1	3.1	3.2	3.49	24	9.0
4*	3.0	2.3	2.3										2.1	2.6	3.9	3.8	3.3	2.8	3.1	3.0	2.7	2.8	2.8	2.8	2.87	15	6.0
5	2.3	2.1	2.0	2.0	2.0	2.6	3.3	4.5	4.8	4.9			3.5	3.3	3.4	3.8	3.8	3.9	3.2	2.8	2.8	4.1	3.2	3.1	3.22	22	7.0
6	4.1	3.0	2.9	3.1	3.0	3.3	4.1	4.3	4.6	3.4	3.6	3.0	3.1	3.0	3.2	3.3	3.2	3.1	2.8	2.8	2.4	2.9	2.4	2.9	3.22	24	9.0
7	2.4	2.0	2.0	2.0	2.0	2.0	2.6	3.4	3.2		3.1	2.9	2.1	2.2	2.8	2.9	2.5	2.5	2.1	2.3	2.0	2.1	2.0	2.1	2.37	23	7.0
8	2.8	2.0	2.0	2.1	2.0	2.1	2.4	3.8	3.6	4.1	3.5			3.8	3.5	5.3	6.0	5.8	5.0	3.4	3.9	3.4	3.2	3.9	3.53	22	8.0
9	3.9	4.3	4.1	3.5	3.6	4.9	5.4	6.2	5.2	4.8	4.2	4.2	3.8	4.2	4.7	4.7	5.6	5.3	4.5	4.2	3.7	3.6	3.8	4.2	4.41	24	11.0
10*	3.7	3.4	3.0	3.0	3.1	3.0	3.5	3.8	3.9	4.3	5.1	4.4	4.7	5.2	4.8	4.9	5.2	4.9	3.9	4.3	4.4	3.7	3.3	3.8	4.04	24	7.0
11*	3.8	3.3	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.3	3.1	3.1	3.3	3.8	4.8	4.7	5.0	5.4	5.5	4.6	4.1	4.1	3.9	4.1	3.78	24	7.0
12	3.2									4.6	4.0	4.5	4.8	5.0	5.2	5.7	5.1	5.3	5.3	4.8	4.5	4.4	4.6	6.7	4.84	18	11.0
13	6.7	4.5	4.0	3.3	4.0	3.7	3.9	5.0	4.9	4.5						4.8	4.9	4.5	4.6	3.8	3.1	3.3	3.3	3.2	4.20	19	9.0
14	3.2	3.0	2.6	2.1	2.8	3.1	4.5	3.3	3.8	4.4	4.3	4.0	3.3	3.3	3.3	3.3	4.3	3.4	3.3	3.0	3.0	3.2	3.0	3.8	3.37	24	6.0
15	3.2	2.0	2.0	2.0	2.0	2.5	3.0	3.8	3.8	3.1	3.6	3.4	3.8	3.8	4.5	4.9	6.2	5.8	4.2	4.1	3.3	4.6	3.8	3.0	3.60	24	11.0
16	3.1	2.5	2.4	2.0	2.3	2.5	3.5	4.4	4.8	4.0	4.0	3.9	3.9	3.7	3.9	4.1	4.6	3.8	3.3	3.1	3.2	3.0	3.2	3.0	3.42	24	7.0
17*	2.4	2.3	2.2	2.1	2.2	2.2	2.7	3.1	3.1	3.7	3.4	3.6	4.5	4.3	4.1	4.0	5.0	4.8	3.5	3.8	4.0	3.8	3.8	3.8	3.42	24	8.0
18*	3.5	3.2	3.0	2.8	2.4	2.7	2.4	2.9	3.2	3.0	3.1	3.4	3.7	4.1	4.2	4.5	4.7	3.5	3.3	3.3	3.3	3.2	3.1	3.0	3.29	24	7.0
19	2.9	2.9	2.9	3.0	3.0	3.0	3.3	3.8	3.8	3.2	3.4	3.2	3.5	4.1	3.8	3.4	4.3	3.9	4.3	3.8	3.4	3.6	3.1	3.1	3.44	24	6.0
20	3.5	3.6	2.3	2.0	2.8	3.0	3.0	3.4	3.8		3.1	3.0	3.0	3.1			3.4	3.1	3.0	2.2	2.0	2.0	2.1	2.2	2.82	21	6.0
21	2.5	2.9	2.3	2.1	2.6	2.8	2.9	3.9	4.9	4.2	3.3	3.3	3.2	3.4	3.5	3.7	4.0	4.4	3.5	3.0	2.8	2.2	2.2	2.3	3.14	24	6.0
22	2.1	2.2	2.4	2.0	2.0	2.0	2.0	2.0	2.1	3.0	3.0	2.3	2.1	2.1	2.2	2.2	2.0	2.1	2.3	2.8	2.9	2.8	3.0	3.0	2.34	24	4.0
23	3.0	2.8	2.7	3.0	3.0	3.1	3.1	3.7	3.3	3.0	3.0	3.0	3.0	2.9	3.0	3.0	2.5	2.1	2.1	2.5	2.3	2.8	2.9	3.1	2.85	24	4.0
24*	3.2	2.7	2.6	2.2	2.2	2.1	2.8	3.3	3.5	3.4	3.7	3.6	3.4	3.3	3.2	3.3	3.7	3.5	3.3	3.3	3.0	3.3	3.5	3.2	3.12	24	5.0
25*	3.3	2.9	2.5	3.0	3.0	3.0	3.0	2.8	2.3	3.3	3.4	3.1	2.7	3.0	3.5	3.7	3.9	3.9	3.6	4.1	3.9	3.7	3.7	3.0	3.24	24	6.0
26	2.5	2.0	2.0	2.0	2.0	2.0	3.2	3.5	3.1	3.8			2.4	2.5	2.5	2.6	3.3	2.8	2.0	2.1	2.0	2.4	2.3	2.0	2.49	22	5.0
27																											
28																											
29																											
30																											
MEAN	3.2	2.8	2.7	2.5	2.6	2.8	3.2	3.7	3.7	3.7	3.5	3.4	3.3	3.5	3.7	3.9	4.2	3.9	3.5	3.3	3.2	3.2	3.2	3.3	3.32		
NO.	26	25	25	24	24	24	24	24	24	23	22	21	24	25	24	25	26	26	26	26	26	26	26	26		592	
MAX.	6.7	4.5	4.3	3.5	4.0	4.9	5.4	6.2	5.2	4.9	5.1	4.5	4.8	5.2	5.2	5.7	6.2	5.8	5.5	4.8	4.5	4.6	4.6	6.7	4.84		11.0

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-55.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
DEC. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*																											
2*																											
3																											
4											3.8	4.4	3.8	3.8	3.7	3.2	3.8	3.1	2.5	2.0	2.1	2.0	3.4	2.9	3.15	14	7.0
5	2.0	2.0	2.0	2.0	2.0	2.0	2.4	3.0	3.1	3.1	3.0	2.7	2.5	2.9	3.0	3.2	3.5	3.1	3.1	2.9	2.8	2.9	2.4	2.3	2.65	24	5.0
6	2.1	2.2	2.0	2.0	2.0	2.1	2.7	3.7	3.3	3.3	3.0	3.0	3.0	3.0	3.0	3.0	3.3	2.8	2.3	2.3	2.3	2.2	2.0	2.0	2.59	24	5.0
7	2.2	2.3	2.0	2.0	2.0	2.0	2.3	3.1	3.1	3.1	2.9	2.8	2.2	2.2	2.5	2.8	3.0	3.3	3.3	3.0	3.0	2.9	2.8	2.6	2.63	24	4.0
8*	2.5	2.3	2.0	2.4	2.4	2.0	2.0	2.0	2.2	2.1	2.3	2.1	2.2	2.3	2.0	2.1	2.2	2.1	2.3	2.0	2.1	2.0	2.0	2.3	2.15	24	5.0
9*	2.2	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.3	2.2	2.3	2.3	2.3	2.3	2.8	2.3	2.3	2.1	2.1	2.3	2.4	2.4	2.18	24	4.0
10	2.0	2.0	2.1	2.0	2.0	2.1	2.8	3.1	3.3			2.0	2.0	2.1	2.1	2.3	2.4	3.1	2.8	2.7	4.6	2.3	2.3	2.3	2.36	22	4.0
11	2.0	2.3	2.1	2.0	2.0	2.0	2.5	2.9	3.1		3.0	2.1	2.2	2.1	2.2	2.6	2.5	2.5	2.4	2.5	2.3	2.2	2.3	2.0	2.32	23	4.0
12	2.0	2.1	2.4	2.0	2.0	2.0	2.0	2.3	3.0	3.0			2.1	2.4	2.2	3.0	3.0	3.0	3.1	3.0	3.0	3.0	3.0	3.0	2.56	22	5.0
13	3.0	3.0	2.6	2.0	2.0	2.3	3.0	3.1	3.0	3.0	3.1	3.0	3.0	2.6	2.6	2.6	3.3	3.3	3.0	3.0	3.0	2.9	2.9	2.7	2.82	24	4.0
14	2.2	2.9	2.0	2.0	2.0	2.2	2.6	3.3	3.8	3.6	3.8	3.5	3.8	3.6	3.6	3.9	3.8	3.5	3.4	3.5	3.2	3.2	3.0	3.1	3.13	24	5.0
15*	3.0	2.3	2.9	2.0	2.0	2.3	2.9	3.2	3.0	3.0	3.1	3.0	3.3	3.2	3.6	3.4	3.5	3.3	3.8	3.8	4.0	4.0	3.7	3.3	3.14	24	6.0
16*	3.3	3.0	2.6	2.3	2.0	2.1	2.2	2.3	2.1	2.3	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	3.0	2.9	2.5	2.2	2.0	2.3	2.55	24	4.0
17	2.1									5.0	5.2	5.4	4.8	4.9	6.0	5.7	8.8	6.8	5.6	6.2	5.1	7.4	4.2	3.5	5.40	16	12.0
18	3.0	2.3	2.0	2.0	2.0	2.0	2.8	2.8	2.8	2.8		3.0	2.5	2.9	3.3	3.9	4.8	5.8	5.6	4.7	4.7	4.0	3.8	4.8	3.38	23	9.0
19	3.8	3.5	5.4	3.6	3.0	3.0	3.1	3.9	4.7	4.0	4.0	4.1	3.8	3.7	3.9	3.4	3.2	3.4	3.0	3.3	3.8	2.9	2.3	2.1	3.52	24	11.0
20	2.0	2.1	2.0	2.0	2.0	2.0	2.1	2.6	3.0	2.8	2.8	2.6	2.7	2.9	3.1	2.8	3.0	2.7	2.1	2.3	2.5	2.2	2.0	2.1	2.42	24	4.0
21	2.1	2.0	2.0	2.0	2.0	2.0	2.3	2.7	2.7	2.6	2.8	2.7	2.5	2.8	3.2	3.7	3.7	3.9	3.1	2.3	2.6	2.8	3.0	2.6	2.65	24	8.0
22*																											
23*																											
24																											
25																											
26																											
27																											
28																											
29*																											
30*																											
31																											
MEAN	2.4	2.4	2.4	2.1	2.1	2.1	2.5	2.9	3.0			3.0	2.8	2.9	3.0	3.1	3.5	3.4	3.1	3.0	3.0	3.0	2.7	2.7	2.82		
NO	17	16	16	16	16	16	16	16	16	15	15	17	18	18	18	18	18	18	18	18	18	18	18	18		408	
MAX	3.8	3.5	5.4	3.6	3.0	3.0	3.1	3.9	4.7	5.0	5.2	5.4	4.8	4.9	6.0	5.7	8.8	6.8	5.6	6.2	5.1	7.4	4.2	4.8	5.40		12.0

* Indicates Saturday or Sunday
Local standard time used

TABULATED

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-56.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM

POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
JAN. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1																											
2																											
3																											
4																											
5																											
6*																											
7*																											
8																											
9																											
10																											
11																											
12																											
13*																											
14*																											
15																											
16																											
17																											
18																											
19																											
20*																											
21*																											
22																											
23																											
24																											
25																											
26																											
27*																											
28*																											
29																											
30																											
31																											
MEAN																									.000		.00
NO																											
MAX																											

NO VALID DATA

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., JAN. 22, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-57.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
FEB. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1 2 3* 4* 5																											
6 7 8 9 10*																											
11* 12 13 14 15																											
16 17* 18* 19 20																											
21 22 23 24* 25*																											
26 27 28																											
MEAN NO MAX																									.000		.00

NO VALID DATA

* Indicates Saturday or Sunday
Local standard time used

TABULATED THU., JAN. 23, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-58.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
MARCH 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1																											
2																											
3*																											
4*																											
5																											
6																											
7																											
8																											
9																											
10*																											
11*																											
12																											
13																											
14																											
15																											
16																											
17*																											
18*																											
19																											
20																											
21																											
22																											
23																											
24*																											
25*																											
26																											
27	.00		.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.01	.01	.00				.00	.00	.00	.00	.00	.00	.002	20	.01
28	.00		.00	.00	.00	.00	.00	.01	.02	.01							.00	.00	.00	.00	.00	.00	.00	.00	.003	17	.02
29																											
30	.00			.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	22	.01
31*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
MEAN	4		3	4	4	4	4	4	4	4	3	3	3	3	3	2	3	3	4	4	4	4	4	4		82	
NO. MAX.	.00		.00	.00	.00	.00	.00	.01	.02	.01	.01	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.003		.02

NO VALID DATA

* Indicates Saturday or Sunday
Local standard time used

TABULATED THU., JAN. 23, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-59.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
APRIL 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*																											
2																											
3																											
4			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00					.00	.00	.00	.00	.00	.00	.00	.000	18	.00
5	.00		.00	.00	.00	.00	.00	.00	.00	.00										.00	.00	.00	.00	.00	.000	14	.00
6																											
7*																											
8*																											
9																											
10																											
11	.00		.00	.00	.00	.00	.00	.00						.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	18	.00
12	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
13	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.00
14*	.00		.00	.00	.00										.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	14	.01
15*	.00		.00	.00	.00	.00	.00							.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	17	.00
16	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00						.00	.00	.00	.00	.00	.00	.00	.00	.000	18	.01
17	.00		.00	.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.00
18	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
19	.00		.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.001	23	.01
20	.00		.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	23	.01
21*	.00		.01	.01	.01	.01	.01	.01	.01	.00			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.003	21	.01
22*	.00		.01	.01	.01	.00	.00	.00						.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.002	18	.01
23	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
24	.00			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	22	.00
25	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
26	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00					.00	.00	.00	.00	.00	.00	.00	.00	.000	19	.00
27	.00		.00	.00	.00									.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	15	.00
28*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
29*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00				.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	20	.00
30	.00		.00	.00	.00	.00	.00							.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	17	.00
MEAN	.00		.00	.00	.00	.00	.00	.00	.00	.00				.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000		
NO.	21		21	22	22	20	20	18	16	16	13	11	12	16	17	17	20	21	21	22	22	22	22	22		434	
MAX.	.00		.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.003		.01

* Indicates Saturday or Sunday
Local standard time used

TABULATED THU., JAN. 23, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-60.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
MAY 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.00			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	22	.00
2	.00		.00	.00	.00	.00	.00	.00									.00	.00	.00	.00	.00	.00	.00	.00	.000	15	.00
3	.00		.00	.00	.00	.00	.00	.00							.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	17	.01
4	.00		.00	.00	.00	.00	.00							.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	17	.00
5*	.00		.00	.00	.00	.00	.00	.00						.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.000	17	.00
6*			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	22	.00
7	.00		.00	.00	.00	.00								.00	.00	.00	.00				.00	.00	.00	.00	.000	13	.00
8																											
9																											
10																											
11																											
12*																											
13*																											
14																											
15																											
16	.00		.00	.00	.00	.00	.00	.01	.01	.01	.00	.00	.01	.02		.02	.03	.02	.02	.02	.01	.00	.00	.00	.008	22	.06
17	.00		.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.02	.00	.01	.01	.01	.00	.00	.00	.00	.00	.00	.003	23	.06
18	.00		.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.02	.00	.01	.01	.01	.00	.00	.00	.00	.00	.003	23	.06
19*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	23	.05
20*	.00		.00	.00	.00	.00	.01	.00	.00	.00	.00	.01	.01	.01	.02	.01	.00	.00		.01	.01	.01	.01	.00	.005	22	.05
21	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
22	.00			.00	.01	.00	.00	.00					.03	.03	.03	.02	.03	.05	.01	.00	.00	.00			.012	16	.06
23			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01	.00	.001	22	.01
24	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00	.002	23	.01
25	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00		.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.00
26*	.00											.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	14	.00
27*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
28	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
29	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	22	.00
30	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00		.00	.00	.00	.00	.000	21	.00
31																											
MEAN	.00		.00	.00	.00	.00	.00	.00					.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.002		
NO.	20		19	21	21	21	20	19	15	15	15	15	17	20	17	21	22	21	20	20	22	22	21	20		444	
MAX.	.00		.00	.00	.01	.00	.01	.01	.01	.01	.01	.01	.03	.03	.03	.02	.03	.05	.02	.02	.01	.01	.01	.00	.012		.06

* Indicates Saturday or Sunday
Local standard time used

TABULATED THU., JAN. 23, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-61.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

CHICAGO, ILL.

TOTAL OXIDANT
JUNE 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1											.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	14	.01
2*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
3*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.000	23	.01
4	.01			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	22	.01
5	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.00
6	.00		.00	.00	.00	.00	.00	.00								.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	16	.00
7	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
8	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00										.000	14	.01
9*																									.001	16	.02
10*			.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.01	.00	.01	.00	.00									
11			.00	.00			.00	.00	.00	.01	.00	.00		.01	.00	.00	.01	.00		.00			.00	.00	.002	16	.01
12																											
13																											
14																											
15																											
16*																											
17*																											
18																											
19																											
20	.00		.00	.00	.00	.00	.00	.00	.01	.02	.00	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.004	23	.03
21	.00		.00	.00								.00	.00	.00	.02	.02	.01	.01	.01	.01	.01	.02	.01	.01	.008	16	.03
22	.01		.00	.00	.00	.00	.00	.00	.00							.00	.00	.00	.00	.01	.01	.00	.00	.00	.001	17	.01
23*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.02	.01	.01	.01	.01	.00	.00	.00	.003	23	.04
24*	.02		.02	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.01	.00	.01	.01	.01	.01	.01	.01	.01	.01	.00	.006	23	.03
25	.00		.00	.00	.00	.00	.00	.00	.02	.00	.03	.09	.10	.09	.05	.04	.03	.02	.01	.01	.01	.01	.00	.00	.021	23	.12
26	.00			.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.00
27	.00		.00	.00	.00	.00	.00	.00				.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.006	20	.02
28	.01		.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.03	.03	.03	.03	.03	.02	.01	.01	.02	.02	.02	.01	.012	23	.04
29	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01	.01	.01	.01	.00	.00	.00	.00	.002	23	.03
30*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00											.000	13	.01
MEAN	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.004		
NO.	18		18	20	18	18	19	19	16	16	17	19	18	19	17	18	19	19	17	18	17	17	18	18		413	
MAX.	.02		.02	.00	.00	.00	.00	.00	.02	.02	.03	.09	.10	.09	.05	.04	.03	.02	.01	.01	.02	.02	.02	.01	.021		.12

* Indicates Saturday or Sunday
Local standard time used

TABULATED THU., JAN. 23, 1969

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-62.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

CHICAGO, ILL.

TOTAL OXIDANT
JULY 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX
1*			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	22	.00
2	.01		.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.002	23	.02
3	.00		.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	22	.01
4	.00		.01	.01	.01	.01	.00	.01	.01	.01	.01	.02	.02	.02	.01	.02	.02	.01	.01	.01	.00	.00	.00	.01	.011	23	.09
5	.02		.01	.01	.00	.00	.00	.00	.00	.01	.01	.00	.00	.01	.01	.00	.01	.01	.01	.01	.00	.00	.00	.01	.005	23	.02
6	.00		.01	.01	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.002	23	.02
7*	.01		.02	.01	.00	.00	.00	.00	.00	.00	.01	.02	.01	.03	.02	.01	.02	.03	.04	.03	.04	.04	.01	.00	.014	23	.06
8*	.00		.00	.00	.00	.00	.00	.00	.01	.02	.02	.02	.02	.02	.01	.02	.02	.01	.01	.01	.00	.00	.00	.00	.008	23	.03
9	.00		.00	.00	.00	.00	.00	.00				.00	.01	.01	.00	.01	.00	.01	.01	.00	.01	.01	.01	.00	.003	20	.01
10	.00			.00	.00	.00	.00	.00		.00	.00	.03	.04	.04	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.006	21	.06
11																											
12												.03	.02	.02	.03	.03	.03	.02	.01	.01	.01	.01	.01	.01	.017	13	.05
13																											
14*																											
15*	.00		.00	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00						.00	.00	.00	.01	.02	.004	18	.02
16																											
17	.00		.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	22	.00
18	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00	.00	.00	.00	.00	.001	23	.01
19	.00		.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.002	23	.04
20	.00		.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.01	.02	.02	.02	.01	.01	.00	.00	.00	.00	.004	21	.03
21*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.02	.03	.02	.00	.00	.00	.00	.00	.004	23	.04
22*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	23	.03
23																											
24																											
25																											
26																											
27																											
28*																											
29*																											
30																											
31																											
MEAN	.00		.00	.00	.00	.00	.00	.00			.00	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.004		
NO.	16		16	17	17	17	17	17	12	15	16	18	18	18	17	17	17	17	17	18	18	18	18	18		389	
MAX.	.02		.02	.01	.01	.01	.01	.01	.01	.02	.02	.03	.04	.04	.03	.03	.03	.03	.04	.03	.04	.04	.01	.02	.017		.06

* Indicates Saturday or Sunday
Local standard time used

TABULATED THU., JAN. 23, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-63.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM

POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
AUG. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1																											
2																											
3	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	23	.02
4*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.004	23	.02
5*	.00		.00	.00	.01	.01	.01	.02	.02	.02	.03	.03	.03	.03	.02	.02	.02	.02	.01	.01	.01	.01	.02	.02	.016	23	.04
6	.01		.02	.02	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.00	.00	.00	.00	.00	.008	23	.03
7	.00		.00	.00	.00	.00	.00	.00	.01	.02	.02	.07	.10	.11	.03	.01	.01	.01	.03	.02	.02	.01	.01	.01	.021	23	.16
8	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.02	.02	.02	.02	.01	.00	.00	.00	.00	.00	.00	.005	23	.03
9	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
10	.00		.01	.01	.00	.00	.00	.00	.01	.02	.02	.03	.03	.02	.01	.01	.01	.01	.00	.00	.00	.00	.01	.01	.009	23	.04
11*	.01		.01	.00	.00	.00	.00	.00	.01	.02	.04	.04	.04	.03	.04	.04	.03	.03	.02	.01	.00	.00	.00	.00	.016	23	.06
12*	.00		.00	.00	.00	.00	.00	.00	.00	.02	.03	.03	.02	.02	.02	.02	.01	.00	.00	.00	.00	.00	.00	.00	.007	23	.04
13	.00		.00	.00	.00	.00	.00	.00				.00	.00	.01	.01	.00	.00	.00		.00	.00	.00	.00	.00	.001	19	.02
14																											
15																											
16																											
17	.00		.00	.00	.00	.00	.00	.00	.01	.00	.02	.03	.03	.04	.03		.00	.00	.00	.00	.00	.00	.00	.00	.012	13	.05
18*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.002	23	.05
19*	.00		.00	.00	.00	.00	.00	.00	.01	.00			.02	.03	.01	.01	.01	.01	.02	.01	.02	.00	.00	.00	.007	21	.05
20	.00		.00	.00	.00	.00	.00	.00	.00	.01	.01	.03	.01	.02	.04	.04	.03	.02	.01	.01	.00	.00	.00	.00	.010	23	.05
										.00	.00	.00	.04	.07	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.008	23	.13
21	.00		.00	.00	.00	.00	.00	.00	.00		.02	.01	.03	.02	.01	.01	.02	.02	.01	.01	.01	.01	.00	.00	.008	22	.04
22	.00		.00	.00	.00	.00	.00	.00	.01	.02	.02	.02	.02	.03	.04	.03	.03	.03	.03	.02	.02	.01	.01	.01	.016	23	.04
23	.00		.00	.00	.00	.00	.00	.00	.00	.01	.01	.02	.03	.04	.04	.04	.03	.02	.02	.02	.01	.01	.01	.01	.013	23	.05
24	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.004	23	.02
25*	.00		.01	.01	.00	.00	.00	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.003	23	.01
26*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.005	23	.02
27	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.03	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.003	23	.07
28	.00		.00	.00	.00	.00	.00	.00		.00	.00	.00	.01	.02	.01	.02	.01	.01	.00	.00	.00	.00	.00	.00	.004	22	.03
29	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.03	.03	.02	.01	.02	.01	.00	.00	.00	.00	.00	.00	.006	23	.04
30	.00		.00	.00	.00	.00	.00	.00	.00	.02	.02	.03	.03	.03	.02	.02	.02	.02	.02	.00	.00	.00	.00	.00	.010	23	.05
31	.00		.00	.00	.00	.00	.00	.00						.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	18	.01
MEAN	.00		.00	.00	.00	.00	.00	.00	.00	.01	.01	.02	.02	.02	.02	.01	.01	.01	.01	.01	.00	.00	.00	.00	.007		
NO	26		26	26	26	26	26	26	23	23	24	25	26	27	27	26	27	27	26	27	27	27	27	27		598	
MAX	.01		.02	.02	.01	.01	.01	.02	.02	.02	.04	.07	.10	.11	.04	.04	.03	.03	.03	.02	.02	.02	.02	.02	.021		.16

* Indicates Saturday or Sunday
Local standard time used

TABULATED THU., JAN. 23, 1969

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-64.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
SEPT. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
2*	.00		.00	.00	.00	.00	.00	.01	.01	.01	.02	.01	.02	.02	.02	.02	.00	.00	.00	.01	.01	.01	.01	.01	.007	23	.03
3	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.01	.003	23	.02
4	.00			.00	.00	.01	.00	.01		.01	.02	.03	.08	.08	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.012	21	.11
5	.00		.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.003	23	.01
6	.00		.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.002	23	.02
7	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.01	.01	.02	.01	.01	.00	.00	.00	.00	.00	.00	.004	23	.03
8*	.00		.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.01	.02	.01	.02	.02	.01	.02	.02	.02	.01	.01	.01	.008	23	.03
9*	.00		.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	.008	23	.02
10																											
11																											
12																											
13			.00	.00	.01	.00	.00	.01						.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	17	.01
14	.00		.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.01	.01	.003	23	.02
15*	.01		.01	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.003	23	.02
16*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.01	.02	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.003	23	.03
17	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.002	23	.02
18																											
19										.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	15	.00
20	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
21	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
22*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
23*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
24	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
25	.00		.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	22	.00
26	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
27	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
28	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				.00	.00	.00	.00	.00	.00	.00	.00	.000	20	.00
29*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
30*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
MEAN	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.002		
NO.	24		24	25	25	25	25	25	22	25	25	25	25	25	25	25	26	26	26	26	26	26	26	26		578	
MAX.	.01		.01	.01	.01	.01	.01	.01	.01	.01	.02	.03	.08	.08	.02	.02	.02	.01	.02	.02	.02	.01	.01	.01	.012		.11

* Indicates Saturday or Sunday
Local standard time used

TABULATED THU., JAN. 23, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-65.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
OCT. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
2	.00		.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	22	.00
3	.00		.00	.00	.00	.00	.00	.00								.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	16	.00
4	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
5	.00			.00	.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.01
6*	.00		.01	.00	.00	.00	.00	.00	.00	.01	.02	.02	.02	.01	.01	.01	.01	.01	.00	.00	.01	.01	.01	.01	.007	23	.03
7*	.00		.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	23	.01
8	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
9	.00		.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	22	.00
10	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.02
11	.00		.00	.00	.00	.00	.00	.00	.00					.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	19	.00
12	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
13*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.001	23	.02
14*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.002	23	.02
15	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
16	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
17	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.02
18	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
19	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
20*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
21*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
22	.00		.00	.00	.00	.00	.01	.01			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	21	.01
23	.00			.00	.00	.00	.00	.00		.00	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.002	21	.01
24	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
25	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
26	.00		.00	.00	.00	.00	.00	.00	.00					.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	19	.00
27*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
28*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
29	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
30	.00		.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	22	.01
31	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
MEAN	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001		
NO	31		29	31	31	31	31	31	27	25	28	28	27	30	30	31	31	31	31	31	31	31	31	31		689	
MAX	.00		.01	.00	.00	.00	.01	.01	.00	.01	.02	.02	.02	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	.01	.007		.03

* Indicates Saturday or Sunday
Local standard time used

TABULATED THU., JAN. 23, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-66.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
NOV. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	16	.00
2	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
3*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
4*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
5	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.00
6	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
7	.00		.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	22	.00
8	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
9	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
10*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
11*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
12	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	22	.00
13	.00		.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	22	.00
14	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
15	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
16	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
17*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	22	.00
18*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
19	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
20	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
21	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
22	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
23	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
24*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.00
25*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
26	.00			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	22	.00
27	.00		.00		.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.00
28	.00		.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	22	.00
29	.00		.00	.00	.00	.00	.00	.00	.00	.00						.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	18	.00
30	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
MEAN	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000		
NO	30		29	28	30	30	30	30	30	27	27	26	24	28	28	29	30	30	30	30	30	30	30	30		666	
MAX	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000		.01

* Indicates Saturday or Sunday
Local standard time used

TABULATED THU., JAN. 23, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-67.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
DEC. 1962

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX.
1*	.00		.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
2*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
3	.00		.00	.00	.00	.00	.00	.00	.00				.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	20	.01
4	.00		.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	22	.00
5	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
6	.00		.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.00
7	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
8*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
9*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
10	.00		.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	22	.00
11	.00		.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	22	.00
12	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
13	.00		.00	.00	.00	.00	.00	.00	.00	.00						.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	18	.00
14	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
15*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
16*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
17	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
18	.00		.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	22	.00
19	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				.00	.00	.00	.00	.00	.00	.00	.000	20	.00
20	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
21	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
22*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
23*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
24	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.00
25	.00		.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.000	21	.00
26	.00		.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.00
27	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.00
28	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
29*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
30*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
31	.00		.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	22	.01
MEAN	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000		
NO	31		31	30	31	31	31	31	30	24	25	29	30	30	28	29	30	31	30	31	30	31	30	31		687	
MAX	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000		.01

* Indicates Saturday or Sunday
Local standard time used

*TABULATED THU., JAN. 23, 1969

1963

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CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-68.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

CHICAGO, ILL.

CARBON MONOXIDE
JAN. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	4	4	4	3	3	4	3	2	3	5	2	4	4	5	6	4	6	5	4	6	6	5	8	5	4.3	24	14
2	4	4	3	3	3	4	4	7	7		8	8	7	9	9	12	13	11	9	7	7	5	6	6	6.6	23	31
3	4	3	3	3	4	4	5	7	7	6	7	6	6	6	7	9	12	12	8	10	11	8	7	7	6.7	24	26
4	4	4	4	3	3	3	5	10	11	8	6	6			7	11	11	11	6	6	5	4	3	3	6.0	22	24
5*	5	3	5	3	3	4	4	5	7	6	5	5	6	9	10	14	15	11	12	9	10	5	7	7	7.0	24	24
6*	5	4	4	2	2	2	2	3	2	3	3	3	3	3	3	4	3	3	3	2	2	2	2	2	2.7	24	9
7	1	1	1	1	1	1	3	5	6	7			9	10	11	11	11	15	12	10	10	9	9	9	6.9	22	20
8	7	7	5	5	6	5	6	9	9		9	9	10	10	12	12	17	17	11	8	8	7	6	5	8.6	23	30
9	5	5	5	5	5	6	7	11	15	14	15	15	17	15	15	21	19	22	19	14	14	15	14	11	12.6	24	41
10	8	6	6	5	6	6	8	13	13	13	12	14	11	10	11	16	16	15	9	10	11	8	9	7	10.0	24	31
11	5	4	3	3	4	3	6	9	13	11	10	8	8	8	9	10	11	14	7	6	6	6	6	6	7.3	24	27
12*	7	5	4	4	4	3	3	4	4	3		4	5	4	4	5	5	4	4	5	4	4	5	5	4.3	23	12
13*	4	4	4	4	4	4	4	4	4	4	4	4	4	5	4	4	5	4	4	4	3	3	4	4	4.0	24	7
14	4	3	3	3	3	4	4	6	8	7	6	6	5	6	6	7	8	11	7	8	7	8	7	6	5.8	24	19
15	6	6	5	5	5	6	7	8	10	9		6	7	8	8	8	10	8	7	5	5	4	4	4	6.6	23	17
16	4	4	3	4	3	4	6	8	7	7	6	5	5	4	5	5	6	7	5	4	4	3	4	3	4.8	24	13
17	2	2	1	1	2	2	7	7	9	4	4	6	6	8	9	9	12	11	6	6	7	9	7	8	6.0	24	20
18	5	4	5	4	5	4	6	12	14	10	9	12	10	13	14		15	14	10	9	7	9	8	9	9.0	23	25
19*	8	7	5	3	4	3	4	5	5	8	7	7	8	7	9	12	9	9	6	5	4	4	3	4	5.9	24	19
20*	5	3	2	2	3	3	3	3	3	3	3	3	2	3	3	3	4	3	3	3	3	3	4	4	3.0	24	6
21	4	4	3	4	3	4	4	6	8		5	5	6	5	4	7	10	10	8	6	6	5	5	5	5.5	23	17
22	4	3	3	3	3	3	4	10	14	10	10	10	11	9		12	19	17	10	8	8	7	7	7	8.3	23	39
23	8	6	6	6									4	3	5	6	7	6	5	4	4	4	4	4	5.0	16	13
24	4	4	4	3	3	4	4	6	7	6	5	5	4	4	4	6	7	6	5	5	5	6	5	4	4.8	24	9
25	4				5	6	7	9	11	11	9	9	6	7				16	15	13	13	11	10	8	9.5	18	23
26*	8	9	6	6	4	3	5	7	9	12	12	11	13	12	12	10	7	6		5	5	3	4	6	7.6	23	23
27*	4	3	3	2	2	2	1	2	2	3	3	4	3	4	5	4	4	5	4	4	4	5	5	5	3.4	24	9
28	4	4	4	4	4	6	11	18	20	14	9	9	8	9	10	12	12	13	10	9	9	8	8	8	9.3	24	27
29	8	7	6	6	6	7	7	12	12			10	11	13	14	15	16	15	13	11	11	11	12	12	10.6	22	25
30	11	10	9	8	8	9	10	15	16	15	13	11	11	12	12	14	15	13	11	10	9	9	9	9	11.2	24	26
31	8	8	8	9	9	10	10	12	17	15	12	11	10	12	12	16	13	18	13	10	10	10	9	9	11.2	24	26
MEAN	5	5	4	4	4	4	5	8	9	8	7	7	7	8	8	10	11	11	8	7	7	6	6	6	6.9		
NO.	31	30	30	30	30	30	30	30	30	26	26	29	30	30	29	29	30	31	30	31	31	31	31	31		716	
MAX	11	10	9	9	9	10	11	18	20	15	15	15	17	15	15	21	19	22	19	14	14	15	14	12	12.6		41

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

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CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-69.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
FEB. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	10	8	9	8	6	7	11	13	12	11	11	14	12	12	11	11	13	12	10	9	8	7	8	8	10.0	24	21
2*	9	8	8	7	7	7	8	10	10	10	11	11	10	12	11	12	10	8	7	8	8	8	8	9	9.0	24	21
3*	9	9	6	6	6	6	6	6	6	6	8	8	8	8	10	12	10	10	8	8	7	6	7	7	7.5	24	17
4	6	5	4	4	4	5	6	8	8	8	8	8	9	7	8		10	10	12	11	8	5	11	8	7.4	23	19
5	6	10	8	7	8	6	10	16	18	16	9	9	9	11	16	19	16	13	7	15	14	13	9	9	11.4	24	26
6	8	6	5	5	5	6	7	15	12	12	11		14	18	20	20	18	16	13	12	11	10	10	10	11.4	23	35
7	7	5	4	4	4	5	7	17	14	13	9	11	7	10	12	9	10	9	7	4	4	4	3	3	7.5	24	24
8	2	1	0	0	0	1	1		4	5	3	3	5	8	8	9	9	13	6	3	3	3		2	4.1	22	21
9*	1	1	0	1	1	2	4	3	4	3	2	4	5		4	3	3	5	5	5	4	6	8	10	3.6	23	16
10*	8	9	6	4	4	4	3	3	4	6	5	5	6	6	8	7	7	10	10	8	7	6	7	7	6.2	24	17
11	5	3	3	3	3	3	6	10	12	10	9			5	5	6	8	7	5	4	5	4	4	4	5.5	22	17
12	3	3	2	2	4	6	11	15	14	11	7	7	4	7	6	8		8	7	6	6	4	5	4	6.4	23	20
13	4	3	2	2	2	2	5	8	9	8					5	5	5		4	3	3	3	2	2	4.1	19	14
14	2	1	1	1	2	1	5	7	9	8	5	5	5	5	7	5	9	7	5	6	7	6	5	5	5.0	24	17
15	4	3	2	2	2	3	4	6	9	10	8	7	6	8	6	7	7	6	5	5	5	4	6	6	5.5	24	18
16*	5	3	3	3	2	2	3	3	5	4	4	6	6	5	6	6	6	6	4	6	6	4	4	3	4.3	24	12
17*	2	2	2	1	1	2	2	2	2	2	2	2	3	4	4	6	6	6	7	5	5	4	5	3	3.3	24	12
18	2	2	2	2	2	2	3	6	6	5	4	4	4	3	5	5	8		7	6	4	4	5	4	4.1	23	12
19	7	6	4	2	2	4	8	13	17	14	10	13	16			8	11	10	7	6	6	6	6	6	8.3	22	26
20	5	5	4	4	4	4	5	8	9	8	7	6	6	7	8	9	13	11	8	7	7	7	10	7	7.0	24	21
21	6	5	5	4	5	5	6	7	8	6		4	4	5	6	7	7	6	5	5	5	5	6	6	5.5	23	15
22	5	5	5	5	7	8	10	11	13	10	10	9	9	9	9	12	13	12	11	10	11	9	10	9	9.3	24	18
23*	9	9	7	7	8	7	8	9	10	10	13	16	15	14	13	12	13	12	17	16	17	14	18	19	12.1	24	37
24*	13	11	9	7	7	8	7	8	8	8	9	9	8	8	11	10	10	9	9	9	8	8	8	9	8.7	24	20
25	9	7	6	7	8	8	10	10	13	15	13	13	13	14	16	16	16	16	14	13	9	10	10	9	11.5	24	26
26	9	7	7	6	6	5	7	8	15	14	12	8	7	7	10	10	9	10	8	6	7	7	6	5	8.2	24	25
27	6	5	6	5	5	6	5	7	9						10	10	14	13	8	8	7	7	9	8	7.8	19	20
28	12	14	11	14	7	6	9	17	19	18	18	14	12	14	14	16	19	15	12	10	12	12	8	9	13.0	24	36
MEAN	6	6	5	4	4	5	6	9	10	9	8	8	8	9	9	10	10	10	8	8	7	7	7	7	7.5		
NO.	28	28	28	28	28	28	28	27	28	27	25	24	25	24	27	27	27	26	28	28	28	28	27	28		650	
MAX.	13	14	11	14	8	8	11	17	19	18	18	16	16	18	20	20	19	16	17	16	17	14	18	19	13.0		37

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-70.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

CHICAGO, ILL.

CARBON MONOXIDE
MARCH 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	8	6	5	5	6	6	7	12	16	11	9	13	12	13	18	19	21	18	15	12	15	13	14	12	11.8	24	30
2*																											
3*																											
4																											
5																											
6																											
7																											
8	5	4	2	3	3	4		7	7	7	7	7	7	7	10	12	11	12	8	7	6	6	11	10	7.1	23	20
9*	9	8	6	4	5	5	6	7	8	9	8	10	12	11	10	10	9	9	9	8	11	10	10	10	8.4	24	15
10*	9	8	8	8	7		8	7	8	8	8	10	10	10	13	15	15	16	14	15	10	6	6	7	9.7	23	19
11	7	6	5	6	6	5	6	10	16	16	12	11	9	11	10	14	12	18	15	14	16	15	18	12	11.2	24	30
12	12	9	8	9	9	10	17	23			21	25	22	20	22	20	18	19	17	15	13	14	13	11	15.7	22	30
13	12	9	9	7	8	9	12	18	17		12	14	15	15	16	17	18	17	16	13	12	10	9	11	12.8	23	29
14	10	8	8	8	8	8	11	15	14							12	10	11	10	7	9	8	6	9	9.5	18	22
15	8	7	4	3	3	4	6	5	5	6				6	6	6	7	4	3	3	3	4	3	3	4.7	21	15
16*	4	2	1	1	2	1	1	3	3	6	7	8	10	12	9	11	13	10	9	8	8	6	7	6	6.1	24	19
17*	6	5	4	3	4	4	2	3	4	4	4	6	5	6	8	8	7	7	6	6	6	6	7	7	5.2	24	13
18	4	2	1	1	1	1	8	9	10	8	8	8	8	11	9	15	12	11	12	10	11	9	7	7	7.6	24	30
19	5	3	1	1	0	1	3	7	5	5		8		6	4	5	7	6	4	2	2	2	1	0	3.6	22	17
20																											
21																											
22																											
23*																											
24*		1	1	3	3	2	3	3	3	3	3	4	3	4	4	4	6	4	4	6	5	5	5	4	3.5	23	9
25	4										8	8	9	12	9	9	9	9	5	6	6	6	5	4	7.1	15	20
26	3	2	2	1	2	3	5	11	15	14		18	19	18	17	16	16	13	11	7	8	8	4	4	9.4	23	26
27	2	1	0	0	0	1	2	4	6	4	4	5	6	6					20	24	22	26	15	14	8.1	20	42
28	12	5	5	5	5	4	8	11	14	11	8	7	12	17	18	20	19	20	16	15	15	14	15	13	12.1	24	30
29	11	8	5	3	4	5	7	7	9	7	6	5	4	5	5	7	10	11	13	11	12	12	17	19	8.4	24	26
30*	13	11	8	10	7	6	10	16	13	9	11	6	9	12	14	13	19	17	13	14	16	16	13	16	12.1	24	31
31*	15	8	6	5	4	4	3	5	5	5	6	7	6	9	14	7	10	6	5	5	5	8	13	10	7.1	24	29
MEAN	8	6	4	4	4	4	7	9	9	8	8	9	10	10	11	12	12	12	11	10	10	10	9	9	8.7		
NO.	20	20	20	20	20	19	19	20	19	17	17	19	18	20	19	20	20	20	21	21	21	21	21	21		473	
MAX.	15	11	9	10	9	10	17	23	17	16	21	25	22	20	22	20	21	20	20	24	22	26	18	19	15.7		42

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-71.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
APRIL 1963

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	5	4	4	6	6	7	11	15	10	9	9	6	10	20	8	8	9	8	9	7	4	2	2	2	7.5	24	32
2	1	0	0	0	0	0	2	6	7					5	8	9	7	7	5	4	4	2	2	2	3.5	20	16
3	1	2	2	2	2	4	5	7	7	6	5	6	6	7	8	8	9	9	9	7	6	6	4	4	5.5	24	11
4	4	3	3	3	4	5	7	11	14	13	14	14	11	12	13	15	17	16	17	18	16	15	14	13	11.3	24	24
5	13	12	11	9	9	11	13	13	13	11	11	10	9	10	12	12	13	12	10	14	15	11	8	9	11.3	24	22
6*	7	8	6	7	7	7	8	8	9	9	8	9	13	15	17	16	17	17	16	14	23	16	19	19	12.2	24	33
7*	19	15	10	9	7	8	7	9	8	8	10	11	10	13	16	17	15	13	16	13	12	11	9	12	11.6	24	23
8	9	7	5	5	4	4	8	13	15	13	12	11	9	11	12	13	15	13	10	9	9	10	7	8	9.6	24	23
9	6	3	2	1	2	2	6	10	11						11	14	14	16	9	9	8	8	10	8	7.8	19	32
10	4	2	2	1	0	1	5	10	12	10	11	12	11	10	11	15	13	14	14						8.2	19	28
11																											
12																											
13*												14	11	10	10	13	15	10	9	9	12	13	14	12	11.7	13	27
14*	12	10	10	9	7	6	6	6	8	7	8	7	9	10	14	12	17	17	13	10	10	10	14	15	10.3	24	26
15	12	8	6	6	6	6	9	16	18	15	13	13	14	14	15	17	14	14	25	15	11	10	9	8	12.1	24	32
16	7	5	5	5	5	5	8	10	12	10	10	8	8	8	8	9	12	11	9	10	10	11	7	7	8.2	24	20
17	7	4	3	4	4	6	10	16	16	11	12	10	8	7	9	15	13	16	15	11	11	17	15	11	10.5	24	27
18	9	8	6	6	6	6	8	15	15	15	11	11	11	13	13	21	15	23	18	17	17	15	11	6	12.2	24	35
19	4	4	4	3	4	6	5	6	7	8	7	7	6	6	7	7	9	8	7	7	6	4	6	5	5.8	24	15
20*	5	5	3	3	4	4	5	5	6	6	6	7	7	6	6	6	6	5	7	10	14	9	7	9	6.2	24	25
21*	6	8	8	5	5	5	4	5	4	5	7	7	6	8	9	10	16	15	13	13	13	10	9	9	8.4	24	23
22	8	4	3	2	2	2	6	8	10	10	10	10	10	11	11	11	12	12	9	7	7	8	8	8	7.8	24	32
23	8	3	2	2	2	4	7	13	11	9			10	10	11	15	14	17	12	9	9	8	7	5	8.5	22	32
24	5	4	3	3	3	2	5	8	7	7	7	7	6	7	7	8	11	12	10	9	12	9	7	13	7.1	24	22
25	10	6	4	5	5	7	14	16	17	11	12	13	10	10	14	23	23	14	18	19	14	13	13	10	12.5	24	35
26	8	6	5	5	6	7	18	21	14	7	8	10			11	19	17	16	10	11	13	16	15	14	11.6	22	39
27*	17	11	9	7	6	7	8	10	10	10	9	10	11	12	10	13	15	11	11	13	20	11	12	12	11.0	24	30
28*	13	8	6	3	3	3	3	3	4	5	8	6	10	9	7	12	15	7							6.9	18	26
29																											
30	3	3	2	3	5	5	11	15	16	16	14	14	14	15	17	18	22	17	18	20	20	22	17	13	13.2	24	33
MEAN	8	6	5	4	4	5	7	11	11	10	10	10	9	10	11	13	14	13	12	11	12	11	10	9	9.4		
NO.	26	26	26	26	26	26	26	26	26	24	23	24	24	25	27	27	27	27	26	25	25	25	25	25		613	
MAX.	19	15	11	9	9	11	18	21	18	16	14	14	14	20	17	23	23	23	25	20	23	22	19	19	13.2		39

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-72.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

CHICAGO, ILL.

CARBON MONOXIDE
MAY 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	10	8	7	4	4	8	7	8	7	7	5	5	6	5	6	9	7	5	7	12	10	6	6	5	6.8	24	24
2	6	4	3	4	6	9	11	15	12	9	9	8	7	6	7	7	6	7	10	12	13	12	10	8	8.4	24	23
3	6	5	5	4	4	6	8	10	6			4	4	4	5	4	5	1	3	3	5	3	3	4	4.6	22	14
4*	3	3	3	2	3	5	7	8	6	5	7	6	10	10	14	15	22	14	10	10	7	8	11	15	8.4	24	34
5*	11	12	9	9	9	9	9	9	11	13	14	14	16	18	20	21	23	21	20	18	17	12	13	12	14.1	24	36
6	11	11	11	11	12	19	23	36	20	20	17	19	23	21	25	26	22	22	20	19	19	19	20	21	19.4	24	50
7	15	13	12	10	10	13	19	20	14	13	11	8	10	10	10	9	11	9	8	8	8	8	9	8	11.0	24	32
8	7	7	7	7	8	9	9	10	9	10	10	10	10	10	13		13	11	12	10	10	9	7	7	9.2	23	21
9	7	7	6	6	7	11	13	14	10	10	10	10	12	20	21	22	20	18	18	20	19	19	14	13	13.6	24	35
10	7	9	7	4	5	8	14	18	15	17	19	15	15	15	16	18	18	14	11	15	13	15	16	10	13.0	24	30
11*	11	8	7	5	6	7	9	11	13	11	12	11	12	12	12	15	14	9	10	9	7	11	13	16	10.4	24	31
12*	10	6	4	3	3	4	4	4	4	6	6	6	6	11	13	13	14	15	11	13	10	4	5	4	7.4	24	24
13	3	3	4	4	4	6	12	13	6	7	8	6	6	6	6	7	8	5	6	6	5	3	3	4	5.8	24	20
14	3	3	2	2	3	4	10	11	7			8	10	10	11	14	12	9	8	7	10	11	9	8	7.8	22	21
15	3	3	2	2	3	8	16	20	12	11	10	10	11	16	14	16	17	12	10	11	12	6	5	3	9.8	24	30
16	1	0	0	1	1	7	13	14	10	8	8	9	13	10	13	17	15	12	6	8	9	10	9	9	8.5	24	31
17	6	4	4	5	6	15	26	25	22	18	16	17	16	15	20	20	21	15	12	15	15	16	13	10	14.6	24	41
18*	9	7	6	6	6	6	8	7	7	7	8	7	6	7	7	7	5	5	6	7	7	7	9	7	6.8	24	14
19*	7	6	7	5	6	5	7	7	7	8	8	7	7	6	6	5	5	4	4	6	7	7	7	8	6.2	24	13
20	5	3	3	4	3	5	12	10	8	6	8	7	7	8	9	9	7	5	5	7	7	5	5	5	6.4	24	18
21																											
22																											
23																											
24																											
25*																											
26*																											
27																											
28												8	12	17	17	20	22	18	14	10	12	16	11	8	14.1	13	35
29	3	3	3	3	3	5	10	13	10	10	9	8	10	10	14	14	13	9	8	7	11	12	11	9	8.7	24	22
30	9	10	10	6	8	3	4	6	6	5	5	4	6	7	10	11	10	11	12	15	13	8	6	5	7.9	24	24
31	4	8	9	5	6	7	12	13	9	8	10	10	12	11	11	11	11	9	11	10	8	5	5	6	8.7	24	22
MEAN	7	6	6	5	5	8	11	13	10	10	10	9	10	11	12	13	13	11	10	11	11	10	9	9	9.6		
NO.	23	23	23	23	23	23	23	23	23	21	21	24	24	24	24	23	24	24	24	24	24	24	24	24		560	
MAX.	15	13	12	11	12	19	26	36	22	20	19	19	23	21	25	26	23	22	20	20	19	19	20	21	19.4		50

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-73.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
JUNE 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX.
1*	5	5	4	5	3	4	5	5	5	5	8	9	10	5	7	9	7	8	11	18	10	8	11	9	7.3	24	32
2*	7	4	4	4	4	3	3	3	3	3	4	5	5	11	13	16	14	10	10	12	13	10	8	5	7.1	24	25
3	5	4	3	4	4	7	13	13	12	12	15	11	10			11	10	7	9	11	11	5	8	8	8.7	22	30
4	4	2	3	2	1	7	10	8	8	5	7	9	10												5.8	13	17
5																											
6																											
7																											
8*																											
9*																											
10																											
11																											
12																											
13																											
14																											
15*																											
16*																											
17																											
18																											
19																											
20																											
21																											
22*																											
23*																											
24																											
25																											
26																											
27																											
28	2	0	0	0	0	2	10	6	10	7	7	7	9	10	11	10	12	6	6	18	6	6	7	7	6.0	23	38
29*	4	3	2	3	2	3	4	5	11	12	16	14	11	11	11	13	15	16	19	22	22	20	13	17	11.0	24	37
30*	14	8	6	6	6	6	8	8	10	11	10	13	17	18	18		18	22	25		20	19	13	9	13.2	23	47
MEAN	7	7	7	7	7	7	7	7	7	7	7	7	7	5	5	5	6	6	6	5	6	6	6	6		153	
NO.	14	8	6	6	6	7	13	13	12	12	16	14	17	18	18	16	18	22	25	22	22	20	13	17	13.2		47
MAX.																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-74.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

CHICAGO, ILL.

CARBON MONOXIDE
JULY 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	8	7	4	4	4	7	8	12	12	13	11	8	15	18	13	15	15	9	5	8	5	6	5	6	9.1	24	32
2	4	4	4	3	4	9	13	16	14	12	12	11				12	16	14	11	8	10	12	8	6	9.6	21	30
3	6	5	4	3	3	8	10	12			9	13	10	11	15	18	15	14	14	15	14	19	15	13	11.2	22	39
4																											
5																											
6*	8	5	1	0	0	1	2	4	3	2	3	3	6	4	4	5	6	11	9	11	5	7	5	4	4.5	24	29
7*	3	3	2	1	1	2	3	3	1	3	5	5	7	6	9	8	9	7	11	8	7	8	4	2	4.8	24	22
8	1	1	0	0	1	4	9	11	8	8	12	7	6	8	10	13	12	9	8	5	8	7	6	5	6.6	24	36
9	2	1	0	0	1	2	8	7	5	7			8	9	12	10	10	7	7	7	9	12	11	10	6.6	22	24
10	10	8	7	6	7	9	17	15	12	9	8	9	9	11	14	15	14	9	13	8	8	12	10	4	10.1	24	32
11	5	4	2	3	3	8	13	15	7	10	10	11	13	13	11	13	16	16	14	12	12	9	7	9	9.8	24	37
12	5	2	2	2	3	6	7	7	7	6	7	6	6	6	7	8	7	6	5	5	7	6	5	6	5.6	24	16
13*	4	4	3	1	1	2	2	2	3	3	2	3	3	3	3	6	7	6	7	8	6	7	8	7	4.1	23	15
14*	8	4	3	2	2	2	2	3	3	5	3	5	5	4	4	6	7	7	10	9	7	14	9	7	5.5	24	29
15	5	3	2	1	3	5	8	11	8	5	7	5	5	6	10	10	9	9	8	12	8	7	5	5	6.5	24	31
16	2	2	1	1	2	5	11	9	8																		
17	4	4	4	3	3	4	7	8	6	6	6	6	6	7	7	9	10	9	14	19	17	7	6	4	7.5	20	32
18	5	4	3	3	4	9	16	11	14	13	12	11	9	6	9	11	9	11	10	9	9	7	7	5	6.6	24	25
19														10	11	8	10	6	7	8	8	7	6	6	8.2	24	31
20*																											
21*																											
22																											
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24																											
25																											
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27*																											
28*																											
29																											
30																											
31																											
MEAN	5	4	3	2	3	5	8	9	15	14	14	14	14	15	15	10	11	9	9	10	9	7	6	7.2			
NO	16	16	16	16	16	16	16	16	14	13	12	13	15	18	15	16	16	16	16	16	19	16	15	16		372	
MAX	10	8	7	6	7	9	17	16	14	13	12	13	15	18	15	18	16	16	14	19	17	19	15	13	11.2		39

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-75.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
AUG. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1																											
2																											
3*																											
4*																											
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24*																											
25*																											
26																											
27																											
28																											
29																											
30																											
31*																											
MEAN																											
NO.																											
MAX.																									0.0		0

NO VALID DATA

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-76.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

CHICAGO, ILL.

CARBON MONOXIDE
SEPT. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*																											
2																											
3																											
4																											
5																											
6																											
7*																											
8*																											
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14*																											
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19																											
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21*																											
22*																											
23																											
24																											
25																											
26																											
27																											
28*																											
29*																											
30																											
MEAN																											
NO.																									0.0		0
MAX.																											

NO VALID DATA

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-77.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
OCT. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1																											
2																											
3																											
4																											
5*																											
6*																											
7																											
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19*																											
20*																											
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24																											
25																											
26*																											
27*																											
28																											
29																											
30																											
31																											
MEAN																											
NO.																											
MAX.																									0.0		0

NO VALID DATA

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-78.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

CHICAGO, ILL.

CARBON MONOXIDE
NOV. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1 2* 3* 4 5																											
6 7 8 9* 10*																											
11 12 13 14 15																											
16* 17* 18 19 20																											
21 22 23* 24* 25																											
26 27 28 29 30*																											
MEAN NO. MAX.																									0.0		0

NO VALID DATA

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-79.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
DEC. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1*																											
2																											
3																											
4																											
5																											
6																											
7*																											
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14*																											
15*																											
16																											
17																											
18																											
19																											
20		8	8	7	7	7	9	13	18	15	11	10	10	11	12	14	13	14	14	12	13	12	11	12	11.3	23	23
21*	11	10	9	8	8	8	9	11	14	16	19	20	21	25	22	20	17	16	19	22	21	19	19	22	16.1	24	31
22*	18	15	14	12	12	12	12	11	11	12	13	12	12	11	13	15	19	18	23	31	19	19	17	17	15.3	24	37
23	17	14	11	11	11	11	15	19	25	23		21	18	14				10	7	4	3	2	2	1	12.0	20	30
24	1	1	1	1	1	1	2	4			4		4	6	4	7	5	4	4	3	2	2	2	2	2.9	21	11
25	2	1	1	2	1	2	2	3	4	2	2	2	1	2	2	2	2	1	1	1	1	1	1	1	1.7	24	6
26	3	5	5								5	5	4		9	10	10	9	4	3	4	1	1	2	4.9	16	19
27									4	2	3	4	4	4	5	4	5	3	3	2	3	2	1	2	3.1	16	11
28*	1	0	0	0	0	0	0	0	2	2	3	5			2	4	4	5	3	4	3	3	3	5	2.2	22	10
29*	3	2	2	1	1	1	1	1	2	2	2	2	2	3	3	5	4	4	4	4	4	4	3	4	2.8	24	8
30	2	2	2	2	2	2	3	5	7	6	6	3	3	4	7	8	7	7	7	5	7	8	8	7	5.0	24	17
31	4	4	5	4	5	6	6	11	16	13	9	9	8	8	11	9	9	12	8	8	10	9	9	7	8.3	24	27
MEAN	10	11	11	10	10	10	10	10	10	10	11	11	11	10	11	11	11	12	12	12	12	12	12	12		262	
NO.	18	15	14	12	12	12	15	19	25	23	19	21	21	25	22	20	19	18	23	31	21	19	19	22	16.1		37
MAX.																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-80.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

CHICAGO, ILL.

NITRIC OXIDE
JAN. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.11	.10	.12	.09	.08	.10	.09	.06	.08	.14	.11	.11	.09	.12			.13	.14	.11	.13	.13	.11	.18	.14	.112	22	.21
2	.10	.09	.06	.05	.06	.07	.10	.15	.19		.18	.16	.13	.13		.14	.18	.17	.15	.12	.09	.11	.10	.11	.120	22	.21
3	.09	.07	.06	.06	.07	.06	.09	.11	.13	.13	.13	.13	.10	.11		.14	.17	.23	.20	.20	.20	.20	.20	.20	.132	23	.27
4	.14	.11	.12	.12	.11	.10	.16	.17	.25	.18	.11	.08	.07	.08		.13	.16	.16	.14	.10	.09	.07	.06	.04	.119	23	.28
5*	.07	.08	.08	.09	.07	.08	.10	.11	.14	.12	.09	.08	.07	.12		.19	.25	.26	.26	.24	.23	.21	.18	.19	.142	23	.29
6*	.19	.15	.11	.09	.06	.04	.03	.05	.07	.07	.08	.08	.08	.07		.08	.09	.09	.09	.08	.06	.06	.06	.07	.078	23	.19
7	.06	.05	.05	.04	.04	.04	.06	.09	.13	.16	.17	.16	.15	.14		.11	.12	.13	.14	.15	.15	.15	.13	.12	.110	23	.18
8	.11	.10	.10	.09	.09	.08	.08	.10	.13		.17	.15				.09			.15	.11	.10	.09	.09	.07	.105	18	.18
9	.06	.05	.03	.03	.05	.05	.06	.12	.20	.24	.19	.21	.21	.21		.20	.21	.24	.23	.21	.20	.19	.18	.15	.152	23	.26
10	.12	.07	.04	.03	.04	.03	.06	.10	.14	.13	.12	.15	.12	.12		.15	.18	.18	.14	.10	.10	.12	.10	.08	.105	23	.19
11	.05	.02	.01	.00	.00	.00	.02	.07	.09	.11	.12	.12	.13	.14		.13	.16	.17	.13	.09	.08	.06	.05	.05	.078	23	.18
12*	.06	.06	.04	.03	.05	.05	.04	.07	.07	.05							.03	.04	.04	.03	.03	.02	.02	.03	.042	18	.08
13*	.03	.02	.02	.01	.00	.01	.00	.01	.01	.02	.04	.03	.03	.03			.04	.06	.05	.05	.04	.04	.04	.05	.028	22	.06
14	.06	.04	.03	.02	.02	.04	.04	.08	.12	.15	.12	.11	.08	.07			.12	.14	.11	.08	.07	.09	.08	.06	.078	22	.16
15	.05	.02	.02	.01	.03	.05	.07	.10	.15	.16	.15	.12	.12	.13		.14	.20	.19	.15	.12	.11	.13	.14	.11	.107	23	.22
16	.11	.11	.11	.09	.11	.12	.15	.19	.22	.20	.18	.14	.12	.10		.14	.18	.16	.15	.17	.15	.11	.12	.11	.140	23	.23
17	.08	.06	.05	.05	.05	.08	.15	.24	.21	.19	.14	.13	.16	.14					.05	.04	.03	.04	.06	.06	.100	20	.27
18	.07	.06	.06	.05	.04	.04	.05	.04	.05	.07	.07					.24	.25	.28	.24	.23	.26	.27	.27	.27	.144	20	.30
19*	.26	.22	.19	.11	.09	.11	.16	.13	.09	.10	.11	.12	.12	.15		.28	.26	.25	.22	.16	.14	.12	.08	.08	.154	23	.30
20*	.11	.09	.06	.04	.03	.06	.05	.05	.04	.04	.05	.04	.03	.04		.04	.05	.05	.06	.05	.04	.03	.04	.05	.050	23	.13
21	.05	.03	.03	.03	.02	.03	.05	.07	.12	.15	.13	.13	.15	.13		.11	.15	.16	.11	.08	.08	.08	.08	.07	.088	23	.18
22	.06	.06	.07	.05	.06	.05	.05	.11	.24	.23	.21	.19	.19	.15			.19	.20	.22	.18	.16	.13	.13	.13	.138	22	.25
23	.11	.11	.07	.05	.05	.05	.07	.10	.11	.12	.10	.08	.07	.06			.11	.09	.07	.07	.06	.06	.05	.06	.078	22	.13
24	.07	.06	.06	.05	.05	.05	.06	.10	.13	.10	.08	.07	.06	.06		.06	.08	.11	.09	.08	.07	.08	.08	.07	.075	23	.19
25	.08	.07	.05	.05	.07	.08	.11	.17	.17							.23	.23	.29	.34	.30	.31	.25	.25	.24	.181	18	.36
26*	.26	.26	.20	.15	.12	.11	.12	.16	.21	.32	.27	.31	.26	.25	.27	.26			.20	.18	.17	.15	.13	.16	.205	22	.38
27*	.16	.09	.07	.05	.04	.03	.03	.04	.04	.05	.05	.06	.04	.05	.05	.05			.07	.07	.07	.08	.06	.06	.059	22	.17
28	.06	.05	.05	.05	.05	.09	.17	.26	.32	.30	.16	.14	.11	.15			.13	.15	.15	.11	.11	.10	.10	.10	.132	22	.34
29	.08	.06	.07	.06	.08	.09	.13	.17	.23			.17	.17	.17		.19	.21	.17	.15	.13	.13	.12	.17	.19	.139	21	.25
30	.15	.10	.08	.06	.07	.08	.10	.16	.19	.21	.18	.11	.10	.08			.19	.17	.14	.12	.08	.07	.09	.08	.118	22	.27
31	.09	.06	.06	.09	.09	.12	.15	.17	.24	.37	.38	.21	.14	.13											.163	14	.44
MEAN	.10	.08	.07	.06	.06	.06	.08	.11	.15	.15	.14	.13	.11	.12		.15	.16	.16	.14	.13	.12	.11	.11	.11	.111		
NO.	31	31	31	31	31	31	31	31	31	27	28	28	27	27	2	21	26	26	30	30	30	30	30	30		671	
MAX.	.26	.26	.20	.15	.12	.12	.17	.26	.32	.37	.38	.31	.26	.25	.27	.28	.26	.29	.34	.30	.31	.27	.27	.27	.205		.44

* Indicates Saturday or Sunday
Local standard time used

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CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-81.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

CHICAGO, ILL.

NITRIC OXIDE
FEB. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1																											
2*	.19	.17	.15	.11	.08	.08	.08	.10	.09	.09	.09	.10	.10	.10		.16	.16	.13	.11	.12	.12	.09	.08	.09	.111	25	.19
3*																											
4																											
5																											
6																											
7																											
8																											
9*	.07	.05	.04	.03	.03	.05	.07	.10	.13	.14	.15	.13	.11	.17			.14	.14	.14						.099	17	.18
10*																											
11																											
12	.05	.05	.04	.03	.06	.10	.14	.25	.35	.33	.29	.24	.22	.11			.13	.13	.13	.13	.11	.12	.12	.12	.148	22	.35
13																											
14																											
15																											
16*																											
17*																											
18																											
19																											
20																											
21																											
22	.06	.04	.04	.05	.05	.05	.07	.11	.14	.13	.10	.08	.07	.06		.05	.09	.11	.12	.13	.14	.13	.11	.11	.088	23	.15
23*	.10	.10	.10	.08	.10	.11	.09	.11	.18	.22	.21	.21	.13	.18			.09	.09	.11	.14	.15	.17	.25	.29	.148	22	.32
24*	.23	.20	.14	.08	.06	.06	.05	.07	.07	.05	.05	.04	.05	.04		.03	.06	.09	.07	.08	.08	.11	.09	.09	.082	23	.26
25	.09	.05	.03	.03	.05	.06	.10	.14	.14	.15	.14	.15	.12	.13			.23	.22	.21	.19	.18	.19	.20	.19	.135	22	.24
26	.18	.16	.13	.11	.11	.11	.16	.19	.27	.32	.28	.16	.10												.174	13	.35
27																											
28																											
MEAN																											
NO.	8	8	8	8	8	8	8	8	8	8	8	8	8	7		3	7	7	7	6	6	6	6	6		165	
MAX.	.23	.20	.15	.11	.11	.11	.16	.25	.35	.33	.29	.24	.22	.18		.16	.23	.22	.21	.19	.18	.19	.25	.29	.174		.35

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-82.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
MARCH 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1	.10	.05	.03	.02	.01	.03	.04	.08	.11	.12								.11	.11	.10	.07	.13	.15	.17	.082	17	.18
2*	.16	.13	.13	.11	.08	.06	.08	.11	.16	.14	.09	.07	.08	.07		.05	.05	.06	.08	.13	.13	.10	.08	.07	.096	23	.18
3*	.07	.07	.09	.08	.08	.07	.07	.09	.08	.08	.08	.18	.13	.09		.09	.13	.18	.21	.18	.15	.14	.14	.13	.113	23	.23
4	.11	.08	.09	.09	.04	.02	.05	.17	.32	.27	.18	.13	.15	.13			.12	.10	.10	.08	.07	.06	.07	.06	.109	22	.35
5	.09	.03	.02	.02	.01	.01	.01	.02	.06	.13	.15	.19	.16	.16	.15			.13	.12	.13	.14	.19	.10	.07	.093	22	.22
6																											
7											.14	.08	.06	.06		.16	.13	.16	.12	.07	.06	.07	.08	.04	.094	13	.27
8	.03	.02	.02	.02	.02	.06	.07	.11	.11	.08	.06	.05	.04	.05		.11	.11								.059	16	.15
9*																											
10*	.06	.07	.08	.07	.04	.03	.04	.05	.06	.05	.06	.05	.04	.06	.05	.07	.09		.18	.19	.22	.17	.07	.06	.081	23	.23
11	.05	.05	.02	.01	.01	.00	.01	.02	.08	.20	.21	.12	.08	.08		.19	.17	.16	.20	.18	.17	.19	.24	.19	.114	23	.27
12	.19	.12	.11	.10	.08	.10	.17	.32	.34	.37	.28	.30	.26	.21		.22	.19	.21	.15	.12	.12	.10	.13	.10	.186	23	.39
13	.06	.06	.02	.01	.02	.02	.06	.12	.17	.21	.20	.19	.17	.14		.20	.20	.20	.20	.22	.22	.21	.15	.21	.140	23	.26
14	.25	.24	.18	.15	.13	.09	.13	.21	.26	.22	.10	.10	.09	.15		.09	.09	.10	.11	.10	.14	.14	.10	.20	.145	23	.28
15	.27	.25	.15	.14	.16	.17	.25	.22	.15	.10	.07	.07	.07	.06		.06	.07	.08	.04	.04	.04	.04	.05	.05	.112	23	.30
16*	.05	.05	.03	.02	.03	.03	.03	.05	.06	.09	.10	.07	.09				.08	.09	.10	.07	.06	.06	.06	.07	.061	21	.11
17*	.07	.06	.06	.03	.01	.00	.00	.01	.01	.02	.02	.02	.04	.04			.11	.10	.09	.07	.09	.12	.16	.17	.058	22	.17
18	.13	.07	.02	.00	.00	.01	.04	.12	.17	.14	.11	.12	.10	.10			.16	.12	.13	.14	.15	.15	.10	.07	.097	22	.19
19	.06	.02	.01	.00	.00	.00	.03	.08	.08	.07		.10	.22	.10			.06	.06	.05	.03	.02	.02	.02	.02	.050	21	.30
20	.01	.01	.01	.00	.01	.01	.04	.06	.07	.10	.09	.11	.10	.10			.17	.16	.11	.09	.07	.10	.15	.13	.077	22	.19
21	.10	.06	.04	.03	.04	.05	.10	.17	.20	.25	.17	.18							.19	.17	.20	.22	.24	.20	.144	18	.27
22	.13	.10	.08	.06	.05	.04	.09	.22	.25	.15	.07	.06	.04	.05		.14	.11	.17	.20	.28	.34	.31	.27	.23	.149	23	.36
23*	.16	.13	.10	.06	.04	.03	.04	.08	.09	.07	.05	.05	.05	.05		.02	.04	.04	.07	.11	.14	.12	.10	.07	.073	23	.19
24*	.06	.05	.04	.04	.03	.05	.04	.04	.04	.04	.02	.02	.01	.01		.03	.03	.04	.04	.03	.04	.06	.07	.06	.038	23	.08
25	.04	.02	.02	.02	.02	.03	.07	.11	.17	.16	.11	.09	.09	.10			.10	.10	.08	.06	.06	.07	.07	.06	.074	22	.20
26	.07	.04	.02	.01	.01	.02	.05	.13	.24	.27								.12	.11	.09	.09	.15	.17	.14	.101	17	.32
27	.14	.11	.08	.09	.09	.09	.14	.18	.17	.16	.13	.11	.09	.07		.10	.19	.23	.24	.21	.24	.34	.40	.33	.169	23	.42
28	.24	.17	.07	.04	.04	.04	.10	.19	.19	.19	.13	.10	.12	.23		.28	.31	.31	.30	.27	.27	.27	.28	.29	.191	23	.33
29	.23	.17	.10	.05	.02	.02	.04	.07	.06	.06	.04	.03	.02	.04		.03	.07	.09	.09	.11	.15	.13	.16	.22	.087	23	.25
30*	.22	.14	.11	.10	.10	.10	.14	.31	.28	.11	.15	.10	.11	.11					.19	.15	.17	.19	.18	.13	.154	20	.36
31*	.21	.13	.08	.06	.05	.05	.01	.03	.07	.07	.05	.10	.07	.07			.13	.14	.10	.07	.06	.06	.14	.20	.087	22	.23
MEAN	.12	.09	.06	.05	.04	.04	.07	.12	.14	.14	.11	.10	.10	.09		.11	.12	.13	.13	.12	.13	.14	.14	.13	.105		
NO.	28	28	28	28	28	28	28	28	28	28	26	27	26	25	2	16	24	25	28	28	28	28	28	28		619	
MAX.	.27	.25	.18	.15	.16	.17	.25	.32	.34	.37	.28	.30	.26	.23	.16	.28	.31	.31	.30	.28	.34	.34	.40	.33	.191		.42

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-83.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
APRIL 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.16	.11	.10	.09	.10	.09	.11	.16	.21	.16	.16	.13	.10	.16		.07	.09	.10	.13	.15	.11	.08	.05	.05	.116	23	.22
2	.04	.03	.03	.01	.01	.01	.03	.07	.07	.06	.05	.02	.02	.02		.04	.06	.06	.05	.05	.05	.05	.04	.03	.038	23	.08
3	.02	.02	.01	.00	.01	.02	.04	.06	.07	.07	.02	.03	.03	.02			.07	.06	.05	.03	.03	.03	.03	.03	.033	22	.10
4	.01	.01	.00	.00	.01	.01	.05	.11	.17	.18	.15	.14	.09	.07				.14	.13	.15	.16	.16	.17	.15	.100	21	.20
5	.17	.16	.14	.11	.09	.09	.14	.17	.17	.12	.07	.06	.06	.04		.05	.05	.07	.07	.08	.11	.11	.08	.07	.099	23	.18
6*	.06	.05	.04	.02	.01	.01	.04	.06	.05	.04	.03	.02	.03	.06											.036	14	.07
7*																											
8																											
9																											
10																											
11	.20	.13	.10	.04	.03	.02	.06	.16	.17	.16	.17	.10	.09	.11		.13	.15	.16	.13	.11	.14	.15	.14	.14	.121	23	.22
12	.12	.08	.08	.07	.06	.07	.10	.16	.26	.21	.12	.10	.09	.09		.10	.12	.17	.16	.18	.21	.17	.14	.14	.130	23	.26
13*	.14	.13	.08	.05	.03	.04	.05	.08	.11	.13	.11	.11	.14	.09		.11	.18	.14	.12	.09	.11	.08	.21	.23	.113	23	.32
14*	.26	.21	.19	.15	.12	.12	.13	.08	.09	.03	.03	.03	.05	.05		.08	.10	.14	.14	.11	.08	.08	.16	.31	.118	23	.37
15	.24	.16	.09	.07	.08												.14	.09	.19	.21	.12	.08	.06	.03	.118	13	.32
16	.02	.00	.00	.00	.00	.00	.00	.03	.07	.08	.08	.05	.03	.02		.05	.07	.08	.06	.05	.06	.08	.11	.10	.045	23	.11
17	.07	.05	.05	.03	.02	.01	.05	.12	.15	.09	.07	.04	.02	.04		.09	.09	.08	.10	.10	.11	.13	.19	.14	.079	23	.20
18	.10	.05	.03	.02	.01	.01	.04	.07	.12	.12	.10	.09	.11	.12		.18	.22	.20	.23	.19	.19	.18	.20	.13	.118	23	.24
19	.08	.03	.02	.02	.02	.02	.02	.04	.05			.11	.08	.04				.03	.02	.02	.02	.01	.00	.01	.033	19	.15
20*	.01	.01	.00	.00	.00	.00	.01	.02	.02	.03	.02	.02	.02	.02		.04	.05	.06	.06	.08	.11	.11	.07	.07	.035	23	.12
21*	.09	.07	.09	.09	.05	.03	.02	.03	.03	.03	.03	.04	.04	.03		.05	.10	.14	.15	.16	.17	.16	.12	.14	.080	23	.22
22	.14	.08	.03	.01	.01	.01	.03	.10	.13	.13	.13	.13	.13	.14			.14	.13	.13	.11	.10	.10	.13	.10	.097	22	.17
23	.09	.06	.04	.02	.03	.03	.09	.17	.27	.17	.13	.10	.15	.14				.22	.18	.15	.17	.15	.12	.08	.121	21	.43
24	.07	.04	.02	.02	.02	.02	.05	.12	.16	.13	.08	.08	.07	.08	.08	.07			.08	.07	.10	.15	.14	.10	.080	22	.17
25	.15	.15	.10	.09	.11	.11	.18	.25	.28	.18	.08	.09	.10	.10						.16	.14	.13	.11	.10	.136	19	.29
26	.05	.03	.02	.01	.02	.04	.15	.33	.17	.09	.09	.13		.07	.06	.09	.12	.14	.11	.08	.11	.14	.15	.16	.102	23	.37
27*	.15	.15	.15	.14	.11	.09	.08	.09	.09	.08	.06			.06	.06	.06	.09	.12	.11	.09	.11	.10	.10	.11	.099	22	.17
28*	.12	.13	.10	.05	.02	.01	.01	.01	.01	.03	.05	.06		.07	.08	.11	.15	.18	.14	.10	.07	.07	.05	.03	.071	23	.19
29	.02	.01	.01	.01	.01												.05	.05	.04	.04	.07	.13	.11	.12	.051	13	.15
30	.05	.02	.01	.01	.01	.04	.11	.18	.21	.22	.19	.15	.11	.12			.13	.12	.12	.15	.14	.16	.15	.11	.114	22	.24
MEAN	.10	.08	.06	.04	.04	.04	.07	.11	.13	.11	.09	.08	.07	.07		.08	.11	.11	.11	.11	.11	.11	.11	.11	.089		
NO	26	26	26	26	26	24	24	24	24	23	23	23	21	24	4	16	20	23	24	25	25	25	25	25		552	
MAX	.26	.21	.19	.15	.12	.12	.18	.33	.28	.22	.19	.15	.15	.16	.08	.18	.22	.22	.23	.21	.21	.18	.21	.31	.136		.43

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-84.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

CHICAGO, ILL.

NITRIC OXIDE
MAY 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.08	.05	.04	.03	.02	.04	.08	.08	.09	.06	.06	.04	.05	.06		.08	.10	.07	.07	.11	.21	.13	.10	.09	.076	23	.24
2	.06	.05	.03	.02	.03	.06	.09	.10	.09	.05	.04	.03	.02	.03		.03	.04	.03	.03	.05	.05	.05	.04	.04	.045	23	.11
3	.04	.03	.02	.02	.02	.05	.10	.15	.12	.05	.05	.03	.02	.02				.04	.04	.05	.06	.08	.08	.08	.053	21	.15
4*	.06	.04	.02	.02	.01	.03	.08	.08	.06	.04	.04			.05	.07	.09	.16	.13	.12	.10	.10	.11	.14	.16	.077	22	.23
5*	.14	.12	.05	.03	.02	.02	.03	.04	.06	.06	.08	.07	.09	.11		.15	.18	.15	.15	.17	.13	.11	.11	.13	.095	23	.21
6	.08	.06	.05	.05	.06	.16	.29	.39	.30	.19	.14	.11	.12	.13		.13	.12	.12	.13	.13	.14	.16	.25	.30	.158	23	.45
7	.21	.16	.13	.08	.06	.12	.19	.20	.12	.07	.05	.03	.03	.03			.04	.03	.02	.03	.05	.04	.03	.02	.078	22	.25
8	.01	.01	.01	.01	.01	.02	.03	.04	.04	.02	.01	.01	.01	.02			.02	.02	.02	.07	.05	.05	.07	.05	.027	22	.09
9	.03	.02	.02	.03	.04	.05	.09	.09									.11	.10	.10	.12	.14	.14	.14	.12	.083	16	.15
10	.09	.06	.06	.05	.03	.03	.06	.13	.16	.13	.14	.12	.11		.12	.13	.13	.13	.12	.11	.12	.12	.14	.14	.105	23	.17
11*	.11	.09	.06	.04	.02	.01	.03	.05	.09	.09	.09	.08	.08		.09	.12	.12	.10	.09	.08	.07	.07	.09	.13	.077	23	.15
12*	.16	.13	.08	.04	.01	.00	.00	.00	.01	.01	.03	.03	.03	.04		.11	.13	.16	.16	.15	.17	.13	.08	.05	.074	23	.17
13	.03	.01	.01	.01	.02	.04	.07	.11	.13	.09	.07	.03	.03	.03			.03	.04	.04	.06	.06	.06	.05	.04	.047	22	.14
14	.03	.03	.03	.03	.03	.03	.06	.08	.09	.09	.04	.05	.07	.10		.11	.10	.10	.09	.10	.10	.12	.13	.11	.075	23	.13
15	.08	.05	.04	.03	.02	.03	.10	.18	.20	.21	.19	.18	.17	.22		.21	.23	.20	.20	.19	.19	.19	.16	.13	.147	23	.24
16	.09	.05	.03	.02	.03	.04	.09	.13	.15	.15	.12	.13	.10	.12		.16	.18	.17	.16	.12	.12	.13	.13	.13	.110	23	.18
17	.11	.08	.05	.04	.04	.04	.11	.19	.22	.22	.21	.19	.17	.17		.16	.17	.16	.13	.13	.13	.16	.19	.17	.140	23	.22
18*	.14	.11	.09	.07	.06	.05	.06	.08	.07	.08	.07					.03	.02	.02	.01	.02	.02	.03	.05	.06	.056	20	.15
19*	.05	.05	.04	.03	.04	.04	.05	.07	.09	.08	.09	.10		.03	.03	.03	.03	.03	.03	.03	.05	.06	.07	.08	.052	23	.10
20	.07	.04	.02	.01	.02	.04	.08	.12	.10	.08	.07	.05		.03	.04	.06	.07	.05	.05	.06	.07	.07	.09	.07	.058	23	.12
21	.06	.06	.03	.01	.01	.02	.06	.08	.09	.08							.07	.07	.05	.04	.05	.07	.07	.06	.054	18	.09
22	.05	.03	.02	.02	.02	.04	.09	.14	.14	.13	.10	.07	.07		.16	.16	.17	.14	.15	.14	.14	.16	.16	.13	.106	23	.19
23	.10	.07	.05	.08	.10	.15	.18	.19	.18	.19	.16						.16	.14	.13	.14	.13	.11	.10	.08	.127	19	.21
24	.06	.03	.01	.07	.12	.14	.15	.14	.12	.08	.07	.06	.07		.09	.12	.14	.15	.14	.15	.14	.13	.12	.10	.103	23	.16
25*	.08	.06	.06	.07	.08	.08	.09	.11	.12	.13				.08	.11	.12	.12	.11	.10	.10	.10	.11	.15	.16	.102	21	.17
26*	.16	.13	.09	.06	.04	.03	.02	.02	.03	.03	.02	.02	.03		.07	.08	.09	.10	.10	.11	.12	.14	.15	.14	.077	23	.16
27	.10	.06	.04	.03	.02	.03	.11	.17	.21	.15	.14	.13	.13			.24	.22	.20	.16	.13	.14	.14	.14	.11	.127	22	.26
28	.07	.05	.03	.01	.01	.02	.05	.10	.11	.08							.21	.22	.22	.20	.18	.20	.23	.21	.122	18	.24
29	.19	.14	.11	.09	.09	.08	.10	.13	.16	.13	.12	.08	.08		.10	.12	.13	.13	.12	.12	.12	.15	.17	.17	.122	23	.20
30	.18	.19	.20	.20	.18	.18	.14	.11	.09	.07	.04	.02	.01		.01	.02	.04	.05	.07	.10	.13	.15	.13	.09	.103	23	.20
31	.06	.04	.08	.09	.09	.09	.11	.12	.12	.05	.07	.07	.08		.10	.12	.08	.07	.07	.09	.09	.07	.05	.04	.080	23	.13
MEAN	.09	.07	.05	.04	.04	.06	.09	.12	.12	.10	.08	.07	.07	.07		.11	.11	.10	.10	.10	.11	.11	.11	.11	.089		
NO	31	31	31	31	31	31	31	31	30	30	27	24	22	17	12	23	30	31	31	31	31	31	31	31		680	
MAX	.21	.19	.20	.20	.18	.18	.29	.39	.30	.22	.21	.19	.17	.22	.16	.24	.23	.22	.22	.20	.21	.20	.25	.30	.158		.45

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-85.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
JUNE 1963

DAY OF MONTH	AM												PM												DAILY MEAN	NO. OF HRS	5-MIN MAX
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12			
1*	.03	.04	.05	.05	.04	.03	.05	.06	.05	.03	.03	.06			.04	.04	.05	.04	.04	.10	.13	.06	.04	.06	.051	22	.21
2*	.06	.06	.03	.02	.02	.02	.01	.01	.00	.01	.00	.01	.00		.04	.07	.08	.08	.07	.06	.07	.09	.09	.07	.042	23	.09
3	.05	.04	.04	.03	.03	.04	.06	.09	.07	.05	.01	.01				.04	.04	.04	.04	.06	.08	.08	.08	.09	.051	21	.10
4	.09	.06	.05	.06	.04	.04	.07	.08	.09	.05	.05	.06	.06		.07	.09	.13	.12	.12	.08	.07	.10	.14	.11	.079	23	.15
5	.08	.10	.16	.15	.12	.12	.11	.10	.05	.03	.02	.04	.05		.02	.02	.04	.04	.03	.05	.06	.05	.05	.06	.067	23	.16
6	.05	.04	.03	.03	.04	.06	.10	.12	.08	.04	.01	.01	.01		.03	.01	.04	.04	.02	.02	.05	.07	.07	.06	.043	23	.12
7	.10	.07	.05	.04	.03	.06	.14	.24	.16	.13	.11	.07	.05		.05	.06	.07	.06	.07	.07	.06	.03	.06	.14	.082	23	.25
8*	.17	.14	.10	.07	.06	.06	.06	.05	.06	.13	.17	.08		.01	.01	.01	.03	.02	.01	.01	.01	.11	.10	.08	.067	23	.19
9*																											
10																											
11	.03	.01	.01	.01	.02	.04	.10	.12	.10	.15	.11	.05			.09	.11	.09	.08	.08	.05	.04	.04	.08	.07	.067	22	.34
12	.05	.05	.04	.02	.01	.02	.08	.14	.14	.09	.07	.06		.07	.05	.06	.05	.04	.05	.07	.05	.05	.09	.08	.061	23	.16
13	.04	.01	.03	.06	.05	.07	.09	.12	.09	.06	.06	.06		.02	.03	.03	.02	.02	.02	.05	.08	.08	.11	.11	.057	23	.14
14	.07	.04	.03	.02	.02	.03	.09	.13	.13	.11	.09	.06		.06	.09	.08	.08	.11	.12	.13	.12	.14	.17	.16	.089	23	.22
15*	.12	.12	.10	.07	.05	.06	.05	.07	.06	.05	.06	.04		.03	.03	.06	.07	.05	.05	.09	.10	.15	.21	.29	.085	23	.35
16*	.33	.20	.20	.17	.16	.16	.11	.06	.04	.03	.04	.05		.06	.06	.07	.10	.11	.11	.13	.18	.31	.33	.20	.139	23	.35
17	.15	.08	.08	.08	.07	.10	.14	.15	.11	.10	.08	.05					.08	.06	.05	.09	.16	.22	.24	.26	.116	20	.27
18	.21	.13	.10	.12	.12	.15	.16	.14	.09	.08							.02	.02	.02	.04	.08	.11	.18	.09	.104	18	.24
19	.05	.03	.01	.02	.02	.05	.09	.11	.07		.04	.03		.03	.04	.09	.11	.07	.05	.08	.09	.09	.12	.10	.062	22	.12
20	.06	.04	.02	.02	.01	.03	.08	.12	.10	.10	.10	.09		.11	.09	.11	.09	.08	.07	.08	.13	.14	.14	.13	.083	23	.20
21	.09	.05	.03	.02	.01	.05	.11	.13	.11	.12	.10	.09		.08	.11	.12	.13	.13	.10	.12	.11	.11	.10	.11	.091	23	.16
22*	.17	.14	.13	.10	.04	.05	.05	.06	.06	.04	.04	.06		.09	.07	.11	.14	.13	.08	.08	.11	.16	.22	.17	.099	23	.23
23*	.15	.11	.08	.05	.03	.03	.04	.05	.06	.05	.03	.02		.06	.03	.07	.09	.08	.09	.10	.11	.17	.15	.09	.075	23	.20
24																											
25	.00		.00	.01	.02	.06	.16	.19	.17	.13	.07	.04	.02	.02			.06	.08	.07	.03	.02	.05	.08	.12	.066	21	.23
26	.20	.12	.11	.13	.10	.10	.12	.12	.10	.06	.07	.02	.02	.02			.04	.03	.04	.04	.22	.43	.50	.50	.139	22	.51
27	.26	.08	.04	.08	.06	.06	.13	.13	.04	.07	.02	.01	.01	.03			.01	.02	.02	.10	.13	.11	.10	.10	.072	22	.44
28	.12	.07	.04	.02	.02	.06	.10	.15	.12	.10	.09	.06	.05	.06		.08	.08	.07	.08	.08	.07	.08	.12	.10	.079	23	.16
29*	.09	.06	.05	.05	.03	.03	.05	.05	.06	.09	.11	.07	.05	.06			.08	.09	.10	.09	.09	.08	.07	.10	.070	22	.13
30*	.13	.07	.02	.02	.01	.03	.04	.03	.03	.03	.02	.02	.02	.02		.04	.03	.03	.04	.07	.07	.08	.11	.03	.042	23	.14
MEAN	.11	.08	.06	.05	.04	.06	.09	.10	.08	.07	.06	.05		.05	.05	.07	.07	.06	.06	.07	.09	.12	.14	.13	.077		
NO	27	26	27	27	27	27	27	27	27	26	26	26	11	17	18	21	27	27	27	27	27	27	27	27		603	
MAX	.33	.20	.20	.17	.16	.16	.16	.24	.17	.15	.17	.09	.06	.11	.11	.12	.14	.13	.12	.13	.22	.43	.50	.50	.139		.51

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-86.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

CHICAGO, ILL.

NITRIC OXIDE
JULY 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.03	.08	.06	.02	.03	.06	.16	.12	.10	.05	.01	.01	.02	.04		.04	.08	.04	.02	.04	.07	.06	.06	.07	.054	23	.19
2	.08	.04	.03	.05	.02	.06	.10	.10	.10	.08	.08	.08	.07	.08		.07	.09	.12	.10	.08	.09	.10	.09	.07	.076	23	.13
3	.05	.03	.02	.02	.01	.03	.09	.12	.11	.10	.10	.13	.14	.18		.23	.23	.16	.14	.14	.17	.19	.22	.24	.123	23	.25
4	.25	.20	.14	.11	.08	.06	.05	.04	.04	.03	.03	.04	.05	.04		.05	.07	.07	.08	.10	.12	.14	.17	.20	.093	23	.25
5	.19	.16	.15	.15	.14	.15	.22	.23	.19	.12	.07	.05	.02	.03		.13	.14	.13	.12	.12	.13	.16	.19	.18	.137	23	.27
6*	.17	.19	.18	.12	.07	.05	.04	.04	.07	.05	.04	.03	.03	.03			.04	.04	.08	.09	.08	.08	.09	.10	.077	22	.20
7*	.11	.11	.10	.08	.05	.03	.03	.03	.05	.06	.07	.08	.10	.12			.17	.19	.17	.16	.17	.19	.20	.16	.110	22	.20
8	.11	.06	.05	.03	.02	.02	.07	.15	.16	.14	.19	.22	.20	.13											.110	14	.24
9																											
10	.14	.08	.08	.04	.03	.06	.17	.17	.06	.03	.01	.01	.02	.02		.08	.07	.05	.05	.06	.06	.05	.07	.07	.064	23	.20
11	.05	.04	.03	.02	.01	.04	.10	.15	.13	.03	.05	.07	.06	.10		.11	.10	.09	.08	.07	.05	.04	.04	.05	.065	23	.16
12	.10	.08	.05	.03	.03	.05	.09	.09	.08	.06	.04	.02	.01	.04		.04	.03	.02	.02	.03	.03	.05	.05	.06	.047	23	.10
13*	.06	.04	.03	.03	.02	.02	.02	.02	.02	.03	.04		.05	.04		.05	.07	.09	.10	.09	.10	.10	.10	.11	.055	22	.11
14*	.10	.08	.07	.05	.04	.03	.03	.03	.04	.04	.04	.03	.03	.03		.04	.06	.08	.09	.10	.11	.15	.18	.17	.069	23	.18
15	.14	.12	.09	.06	.04	.04	.06	.08	.10	.10	.06	.05	.04	.02		.08	.08	.07	.08	.09	.10	.12	.11	.09	.078	23	.16
16	.07	.04	.03	.02	.02	.03	.05	.07	.07	.09	.12	.13		.04			.06	.04	.04	.06	.07	.09	.07	.06	.060	21	.14
17	.05	.05	.03	.03	.02	.03	.05	.07	.09	.06	.05	.07	.06	.07		.07	.07	.05	.04	.04	.05	.07	.09	.10	.056	23	.10
18	.07	.05	.04	.04	.03	.03	.06	.09	.07	.04	.01	.01	.01	.02		.02	.04	.04	.03	.04	.05	.05	.05	.05	.041	23	.09
19	.04	.05	.04	.03	.03	.03	.06	.07	.10	.10	.07	.03	.05	.05		.05	.07	.08	.07	.08	.09	.11	.10	.09	.064	23	.12
20*	.08	.07	.05	.05	.04	.03	.04	.05	.09	.11	.11	.11	.09	.07		.05	.07	.11	.10	.09	.10	.12	.12	.12	.080	23	.13
21*	.13	.15	.12	.10	.10	.08	.08	.06	.04	.03	.03	.04	.03	.02		.03	.06	.05	.06	.06	.06	.09	.12	.11	.072	23	.17
22	.09	.06	.05	.05	.04	.05	.12		.17	.15	.10	.06	.03	.04			.03	.04	.04	.03	.03	.04	.05	.05	.063	21	.17
23	.04	.03	.03	.03	.02	.02	.05	.07	.06	.05	.05	.05	.04	.05		.07	.07	.07	.06	.05	.06	.07	.07	.07	.050	23	.08
24	.07	.05	.04	.04	.03	.04	.07	.10	.10	.07	.06	.05	.04	.05			.05	.05	.05	.05	.07	.10	.12	.09	.063	22	.14
25																											
26																											
27*																											
28*																											
29																											
30																											
31																											
MEAN	.10	.08	.06	.05	.04	.05	.08	.09	.09	.07	.06	.06	.05	.06		.07	.08	.08	.07	.08	.08	.10	.11	.10	.073		
NO	23	23	23	23	23	23	23	22	23	23	23	22	22	23		17	22	22	22	22	22	22	22	22		512	
MAX	.25	.20	.18	.15	.14	.15	.22	.23	.19	.15	.19	.22	.20	.18		.23	.23	.19	.17	.16	.17	.19	.22	.24	.137		.27

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-87.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
AUG. 1963

DAY OF MONTH	A M												P M												DAILY MEAN	NO OF HRS	5-MIN MAX
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12			
1										.09	.06	.06	.05	.05		.03	.04	.04	.04	.04	.04	.04	.04	.05	.047	16	.10
2	.05	.05	.05	.03	.02	.03	.04	.06	.05	.04	.03	.02	.01	.02		.01	.01	.05	.09	.10	.17	.12	.10	.10	.054	23	.21
3*	.07	.05	.05	.04	.01	.04	.09	.08	.07	.06	.02	.01	.01	.01		.02	.05	.07	.06	.07	.09	.11	.13	.15	.058	23	.15
4*	.15	.14	.13	.11	.07	.06	.06	.06	.05	.04	.03	.02	.02	.03		.05	.06	.08	.08	.08	.08	.09	.09	.07	.071	23	.16
5	.06	.06	.06	.06	.06	.06	.09	.12	.12	.08	.15	.15	.12	.11			.09	.11	.09	.09	.07	.07	.08	.08	.090	22	.18
6	.09	.08	.06	.06	.06	.06	.07						.04	.06	.05	.07	.09	.11	.12	.11	.13	.13	.11	.11	.084	19	.13
7	.09	.08	.04	.05	.03	.04	.08	.12	.12	.09	.08	.07	.07	.07		.07	.09	.08	.07	.08	.08	.08	.11	.11	.079	23	.13
8	.09	.08	.07	.07	.08	.10	.16	.15	.10	.05	.02	.02	.03	.03		.06	.10	.10	.07	.06	.07	.10	.12	.11	.079	23	.19
9	.10	.09	.07	.05	.04	.04	.08	.13	.14	.12	.13	.11	.10	.10		.06	.07	.08	.07	.06	.07	.07	.08	.09	.084	23	.15
10*	.08	.06	.06	.06	.09	.11	.15	.16	.11	.08		.07	.06	.05		.04	.05	.05	.04	.06	.08	.08	.07	.05	.075	22	.17
11*	.05	.08	.08	.07	.06	.05	.04	.04	.03	.03	.02	.02	.02	.02		.03	.05	.07	.06	.05	.05	.06	.11	.15	.053	23	.16
12	.15	.12	.12	.11	.10	.09	.11	.18	.10	.06	.07	.02	.01	.01		.03	.03	.02	.01	.01	.02	.02	.02	.04	.062	23	.24
13	.03	.02	.02	.01	.01	.02	.05	.09	.12	.11	.13	.11	.09	.08		.08	.12	.11	.10	.10	.10	.09	.08	.07	.076	23	.14
14	.06	.04	.04	.03	.03	.05	.11	.17	.16	.11	.09	.08	.07	.08		.06	.10	.10	.08	.09	.09	.06	.06	.10	.079	23	.18
15	.12	.08	.06	.05	.07	.07	.07	.10	.09	.05	.04	.04	.04	.05											.065	14	.12
16																											
17*																											
18*	.10	.09	.08	.06	.04	.05	.09	.09	.06	.03	.02	.02	.03	.04			.07	.08	.10	.08	.08	.11	.13	.11	.071	22	.13
19	.09	.04	.02	.02	.03	.04	.07	.10	.10	.06	.06	.04	.03	.03		.03	.05	.05	.05	.04	.03	.05	.08	.10	.052	23	.10
20	.08	.06	.07	.06	.04	.05	.07	.11	.13	.04	.03	.02	.01	.03				.05	.08	.07	.08	.08	.08	.09	.062	21	.14
21	.09	.06	.06	.04	.04	.07	.10	.11	.10	.07	.04	.05	.04	.06		.04	.04	.05	.05	.05	.05	.07	.08	.09	.065	23	.12
22	.10	.06	.05	.03	.03	.03	.07	.10	.08	.11	.11	.06	.03	.03				.05	.04	.04	.05	.06	.07	.06	.060	21	.20
23	.05	.03	.02	.02	.02	.03	.05	.06	.07	.05	.06	.08	.05	.03			.02	.02	.02	.03	.05	.06	.06	.07	.042	22	.09
24*	.08	.06	.05	.03	.03	.02	.03	.05	.09	.11	.13	.15	.15	.12		.10	.13	.13	.10	.09	.10	.10	.11	.10	.088	23	.16
25*	.08	.08	.06	.06	.08	.03	.04	.04	.05	.04	.05	.04	.03	.04		.03	.06	.05	.05	.05	.06	.08	.08	.07	.054	23	.17
26	.06	.03	.03	.02	.02	.01	.03	.05	.06	.05	.04	.04	.04	.05			.10	.09	.09	.08	.09	.11	.10	.10	.058	22	.11
27	.09	.06	.06	.05	.04	.05	.08	.10	.13	.11	.08	.07	.05	.05		.08	.14	.13	.11	.10	.10	.11	.11	.07	.085	23	.15
28	.08	.06	.04	.04	.04	.03	.05				.08	.06	.04	.03		.04	.06	.08	.11	.12	.12	.13	.12	.11	.071	20	.13
29	.09	.07	.06	.05	.05	.05	.09	.16	.16	.09	.04	.04	.05	.06		.06	.11	.10	.08	.10	.14	.15	.15	.13	.091	23	.19
30	.10	.07	.06	.04	.03	.03	.06	.11	.13	.12	.09	.08	.07	.06		.06	.08	.08	.07	.07	.07	.08	.10	.09	.076	23	.14
31*	.09	.09	.09	.08	.09	.10	.13	.18	.19	.11				.07		.05	.06	.06	.06	.05	.05	.04	.08	.12	.088	20	.20
MEAN	.08	.07	.06	.05	.05	.05	.08	.10	.10	.07	.06	.06	.05	.05		.05	.07	.07	.07	.07	.08	.08	.09	.09	.070		
NO.	28	28	28	28	28	28	28	24	26	27	26	27	28	29	1	22	26	28	28	28	28	28	28	28		630	
MAX.	.15	.14	.13	.11	.10	.11	.16	.18	.19	.12	.15	.15	.15	.12	.05	.10	.14	.13	.12	.12	.17	.15	.15	.15	.091		.24

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-88.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

CHICAGO, ILL.

NITRIC OXIDE
SEPT. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	.13	.12	.11	.09	.08	.07	.07	.06	.06	.05	.03	.02	.02	.02		.03	.04	.06	.07	.09	.09	.10	.11	.10	.070	23	.14
2	.09	.06	.05	.03	.03	.03	.02	.03	.06	.05	.05	.03	.02	.01		.01	.01	.01	.01	.02	.02	.02	.03	.03	.030	23	.10
3	.04	.03	.03	.02	.02	.02	.05	.09	.14				.10	.14		.13	.17	.15	.12	.10	.09	.09	.08	.08	.084	20	.18
4	.07	.05	.04	.03	.03	.03	.07	.12	.12	.13	.09	.10	.11	.11		.08	.12	.09	.08	.11	.09	.14	.10	.11	.087	23	.16
5	.06	.04	.03	.02	.02	.05	.13	.10	.06	.07	.06	.04	.05	.06		.07	.12	.10	.09	.09	.09	.08	.09	.10	.071	23	.14
6	.10	.06	.05	.04	.10	.15	.23	.28	.22	.19	.12	.05	.02	.04			.06	.04	.05	.04	.07	.08	.07	.10	.098	22	.30
7*	.10	.05	.03	.02	.03	.04	.07	.05	.05	.08	.05	.04	.05	.03		.04	.06	.07	.07	.06	.06	.06	.07	.08	.052	23	.11
8*	.08	.07	.06	.05	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02		.05	.08	.10	.10	.09	.07	.07	.07	.10	.051	23	.12
9	.13	.15	.15	.15	.12	.09	.10	.13	.14	.06	.04	.01	.01	.02			.08	.08	.06	.09	.08	.08	.06	.07	.085	22	.18
10	.05	.04	.03	.03	.02	.06	.16	.16	.13	.08	.06	.06	.03	.05			.10	.11	.11	.10	.12	.13	.15	.15	.086	22	.19
11	.12	.06	.04	.01	.02	.02	.04	.09	.11	.09	.07	.07	.03	.03				.06	.05	.03	.04	.03	.02	.02	.050	21	.14
12	.01	.02	.02	.03	.02	.04	.07	.11	.14	.12	.12	.13	.12	.14		.12	.14	.11	.08	.07	.09	.08	.08	.06	.083	23	.16
13	.04	.02	.02	.02	.01	.03	.09	.13	.15	.11	.10	.10	.08	.09		.09	.13	.12	.11	.11	.12	.13	.12	.07	.086	23	.15
14*	.03	.02	.01	.01	.00	.01	.01	.03	.05	.09	.08	.06	.06	.05		.06	.09	.09	.10	.11	.11	.12	.10	.07	.058	23	.13
15*	.05	.05	.05	.04	.04	.03	.05	.08	.09	.09	.06	.03	.03	.04		.05	.09	.11	.11	.10	.11	.11	.11	.13	.071	23	.14
16	.14	.15	.15	.17	.14	.14	.22	.24	.17	.14	.10	.07	.07	.08		.07	.16	.17	.14	.16	.12	.13	.16	.11	.138	23	.29
17	.10	.07	.06	.04	.03	.07	.15	.21	.16	.12	.08	.08	.13	.11			.13	.10	.08	.06	.06	.10	.12	.08	.097	22	.23
18	.05	.03	.03	.02	.01	.03	.08	.15	.12	.10	.07	.03	.02	.02		.03	.06	.05	.06	.08	.09	.11	.11	.13	.064	23	.17
19	.07	.03	.02	.01	.01	.03	.07	.12	.10	.04	.02	.01	.06	.08		.08	.10	.09	.10	.10	.09	.08	.08	.05	.063	23	.12
20	.04	.03	.02	.02	.03	.05	.10	.13	.14	.13	.13	.11	.09	.11		.13	.17	.13	.12	.12	.11	.10	.10	.09	.096	23	.18
21*	.09	.06	.05	.04	.07	.10	.14	.17	.14	.14	.14	.13				.09	.09	.10	.07	.07	.07	.07	.08	.08	.094	21	.17
22*	.09	.09	.06	.04	.04	.02	.03	.03	.04	.04	.04	.04	.05	.08		.06	.10	.12	.11	.11	.12	.14	.12	.10	.071	23	.15
23	.08	.04	.02	.01	.04	.07	.10	.16	.15	.14	.09	.09	.08	.08		.10	.17	.16	.13	.11	.10	.07	.05	.03	.089	23	.19
24	.02	.01	.03	.05	.06	.09	.15	.15	.16	.11	.08	.05	.07	.08		.11	.16	.16	.13	.08	.10	.11	.13	.11	.095	23	.20
25	.08	.05	.04	.03	.03	.06	.13	.15	.12	.08	.06	.07	.04	.03		.05	.09	.08	.08	.15	.26	.24	.23	.18	.099	23	.29
26	.20	.23	.22	.19	.16	.14	.23	.29	.25	.12	.07	.08	.07	.07			.08	.08	.10	.09	.09	.08	.13	.16	.141	22	.33
27	.17	.14	.16	.13	.09	.09	.10	.12	.11	.08	.05	.04	.02	.04		.03	.03	.05	.05	.06	.08	.09	.11	.12	.084	23	.19
28*	.10	.08	.07	.05	.04	.08	.13	.10	.08	.08	.07	.05	.06	.03		.02	.02	.06	.06	.05	.04	.05	.07	.08	.063	23	.14
29*	.08	.04	.03	.01	.01	.00	.00	.01	.01	.02	.02	.04	.07	.07		.08	.09	.11	.14	.16	.16	.17	.14	.12	.068	23	.18
30	.15	.13	.10	.06	.06	.06	.09	.13	.16	.13	.09	.06	.07	.06			.09	.09	.13	.18	.30	.30	.26	.17	.130	22	.32
MEAN	.08	.07	.06	.05	.05	.06	.10	.12	.12	.09	.07	.06	.06	.06		.07	.10	.09	.09	.09	.10	.11	.10	.10	.082		
NO.	30	30	30	30	30	30	30	30	30	29	29	29	29	29		23	29	30	30	30	30	30	30	30		677	
MAX.	.20	.23	.22	.19	.16	.15	.23	.29	.25	.19	.14	.13	.13	.14		.13	.17	.17	.14	.18	.30	.30	.26	.18	.141		.33

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-89.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
OCT. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.11	.07	.06	.04	.04	.06	.14	.17	.11	.08	.07					.03	.05	.06	.05	.04	.05	.05	.06	.05	.068	20	.20
2	.04	.03	.02	.01	.01	.03	.08	.11	.11	.07	.04	.04	.04	.04		.03	.07	.07	.09	.09	.09	.10	.09	.10	.060	23	.12
3	.07	.07	.06	.06	.05	.07	.18	.25	.21	.14	.10	.09	.09	.09		.09	.13	.15	.14	.14	.16	.15	.12	.10	.117	23	.27
4	.07	.05	.03	.04	.03	.06	.12	.13	.11	.09	.07	.07	.07	.09		.10	.17	.16	.16	.17	.10	.08	.07	.12	.093	23	.20
5*	.12	.08	.07	.10	.07	.06	.11	.13	.15	.10	.06	.05	.03			.03	.04	.05	.06	.06	.07	.09	.07	.08	.075	22	.16
6*	.07	.06	.05	.05	.05	.04	.04	.06	.07	.07	.05	.04	.04	.03		.03	.05	.08	.11	.10	.06	.05	.05	.04	.054	23	.12
7	.02	.02	.01	.01	.02	.05	.10	.13	.09	.06	.06	.06	.07	.07		.07	.10	.11	.09	.09	.10	.10	.10	.09	.070	23	.13
8	.07	.04	.05	.06	.09	.12	.17	.17	.14	.11	.08	.06	.08	.08		.06	.08	.10	.10	.04	.11	.17	.16	.19	.100	23	.22
9	.17	.12	.08	.06	.05	.10	.22	.25	.20	.10	.07	.06	.05	.04		.11	.15	.14	.10	.17	.17	.18	.15	.12	.124	23	.28
10	.08	.06	.04	.04	.05	.09	.12	.14	.14	.08	.06	.04	.03	.03			.08	.06	.05	.07	.09	.10	.11	.08	.072	22	.16
11	.09	.08	.07	.05	.05	.12	.22	.27	.25	.20	.16	.11	.09	.09		.10	.16	.15	.14	.15	.14	.15	.13	.13	.134	23	.31
12*	.11	.05	.04	.03	.03	.04	.09	.12	.14	.13	.13	.12	.11	.13			.15	.14	.13	.13	.13	.15	.21	.25	.115	23	.27
13*	.19	.10	.06	.04	.07	.14	.12	.12	.10	.06	.07	.05	.07	.08		.13	.20	.22	.24	.25	.23	.23	.20	.15	.134	23	.28
14	.11	.08	.09	.10	.12	.18	.29	.34	.32	.21	.11	.08	.06	.05			.29	.29	.28	.30	.28	.20	.15	.13	.183	22	.41
15	.08	.12	.10	.08	.10	.13	.21	.24	.24	.16						.13	.21	.17	.08	.22	.17	.10	.12	.07	.143	19	.29
16	.03	.02	.02	.07	.10	.12	.33	.28	.22	.11	.11	.09	.10	.14		.07	.15	.20	.15	.13	.20	.16	.14	.10	.131	23	.42
17	.07	.04	.04	.07	.13	.11	.17	.19	.16	.14	.13	.08	.07	.04		.06	.10	.15	.12	.10	.12	.10	.07	.05	.100	23	.25
18	.07	.06	.06	.06	.07	.08	.19	.22	.21	.18	.12	.06	.05	.06		.06	.10	.10	.10	.14	.13	.12	.10	.10	.103	23	.26
19*	.07	.04	.02	.03	.02	.03	.06	.10	.09	.10	.07	.08	.05	.08			.14	.18	.16	.14	.12	.12	.25	.20	.097	22	.29
20*	.21	.22	.15	.08	.06	.04	.03	.04	.05	.04	.05	.08	.07	.06		.06	.11	.09	.08	.09	.08	.08	.08	.05	.082	23	.25
21	.04	.01	.01	.01	.01	.04	.15	.14	.12	.10	.07	.09	.08	.09		.12	.15	.09	.06	.08	.08	.07	.06	.03	.074	23	.19
22	.01	.00	.00	.01	.02	.06	.10	.15	.12	.09	.06	.06	.05				.08	.09							.060	15	.17
23										.15	.06	.04	.02	.02		.04	.09	.11	.09	.10	.16	.16	.14	.12	.092	14	.21
24	.08	.08	.04	.03	.04	.08	.18	.18	.19	.13	.10	.06	.03	.02		.03	.06	.11	.10	.12	.10	.07	.05	.03	.082	23	.22
25	.01	.00	.00	.00	.00	.02	.05	.06	.06	.03	.02	.04	.03	.02			.08	.08	.09	.11	.14	.15	.15	.13	.057	22	.17
26*	.13	.13	.11	.08	.07	.08	.10	.12	.12	.09	.06	.04	.03	.02		.03	.06	.12	.16	.12	.11	.13	.15	.18	.097	23	.21
27*	.15	.10	.07	.05	.04	.03	.02	.02	.03	.04	.04	.06	.07	.10		.12	.21	.22	.23	.21	.21	.22	.21	.17	.114	23	.27
28	.14	.07	.06	.03	.04	.07	.17	.32	.29	.22	.15	.11	.12	.15			.16	.23	.24	.18	.18	.18	.17	.13	.153	22	.35
29	.09	.06	.05	.04	.04	.06	.16	.31	.37	.32	.21	.13	.08					.24	.22	.18	.17	.19	.22	.31	.172	20	.40
30	.34	.42	.24	.17	.14	.10	.15	.27	.22	.15	.13	.08	.06	.06		.08	.15	.14	.15	.14	.11	.09	.11	.08	.155	23	.54
31	.06	.04	.04	.03	.03	.06	.11	.21	.21	.18		.18	.17	.13		.18	.25	.24	.24	.18	.18	.17	.12	.10	.141	22	.28
MEAN	.10	.08	.06	.05	.05	.07	.14	.17	.16	.12	.09	.07	.06	.07		.08	.13	.14	.13	.13	.13	.13	.13	.12	.105		
NO.	30	30	30	30	30	30	30	30	30	31	29	29	29	26		23	30	31	30	30	30	30	30	30		678	
MAX.	.34	.42	.24	.17	.14	.18	.33	.34	.37	.32	.21	.18	.17	.15		.18	.29	.29	.28	.30	.28	.23	.25	.31	.183		.54

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-90.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
NOV. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.09	.06	.05	.03	.03	.05	.14	.22	.24		.13	.10	.07	.08		.10	.16	.19	.17	.17	.15				.117	19	.27
2*																											
3*	.26	.21	.15	.13	.11	.07	.07	.06	.05	.05	.03	.03	.03		.05	.07	.07	.06	.05	.05	.06	.06	.05	.03	.078	23	.28
4	.02	.02	.02	.02	.03	.08	.15	.16					.11	.11		.09	.11	.13	.11	.08	.07	.07	.06	.06	.079	19	.20
5	.05	.04	.03	.03	.04	.04	.07	.13	.15	.14	.13	.15	.13	.14		.10	.17	.14	.13	.13	.13	.13	.15	.13	.106	23	.19
6	.13	.07	.06	.04	.03	.04	.12	.17	.18	.15	.12	.10	.09	.08		.10	.13	.14	.13	.11	.10	.12	.12	.12	.106	23	.21
7	.09	.11	.25	.18	.14	.16	.29	.38	.47	.26	.10	.07	.06	.04		.12	.18	.13	.11	.17	.23	.17	.19	.11	.173	23	.54
8	.11	.09	.19	.13	.11	.09	.17	.37	.48	.32	.21	.15	.08	.07			.14	.17	.13	.10	.05	.09	.19	.27	.168	22	.52
9*	.16	.10	.10	.09	.06	.05	.06	.09	.08							.08	.10	.10	.10	.09	.10	.12	.12	.22	.101	18	.28
10*	.21	.19	.12	.09	.08	.09	.12	.17	.11	.07	.05	.06	.06	.07		.09	.08	.08	.12	.14	.12	.11	.10	.08	.104	23	.27
11	.07	.04	.03	.03	.03	.04	.09	.14	.16	.11	.08	.06	.04	.04			.10	.13	.17	.15	.12	.10	.07	.04	.083	22	.20
12																											
13	.05	.04	.02	.02	.02	.04	.09	.16	.18		.17							.18	.18	.15	.15	.16	.17	.13	.111	17	.22
14	.08	.05	.04	.04	.05	.13	.26	.33		.26	.20	.15	.16	.16		.19	.21	.24	.19	.14	.12	.17	.19	.15	.159	22	.33
15	.14	.11	.13	.13	.10	.10	.17	.23	.20	.14	.11	.08	.08	.10		.08	.10	.12	.08	.06	.05	.07	.07	.04	.107	23	.28
16*	.04	.04	.04	.04	.03	.04	.07	.11	.15	.12	.09	.06	.07	.04		.05	.08	.08	.07	.06	.06	.03	.03	.03	.061	23	.16
17*	.03	.02	.02	.01	.00	.01	.01	.02	.04	.06	.04	.06	.05	.04		.06	.06	.05	.04	.05	.03	.03	.04	.04	.035	23	.08
18	.02	.02	.02	.02	.02	.03	.09	.18	.20	.17	.13	.09	.09	.08			.13	.20							.092	16	.23
19																											
20	.08	.06	.05	.04	.04	.04	.06	.11	.13	.12	.10	.10	.10	.11		.12	.22	.19	.14	.10	.09	.07	.08	.06	.095	23	.28
21	.06	.04	.02	.01	.02	.04	.10	.21	.21	.17	.13	.09	.08	.07		.08	.12	.14	.13	.09	.08	.06	.05	.05	.088	23	.25
22	.03	.02	.02	.01	.02	.01	.03	.07	.09	.08	.05	.05	.05	.04		.05	.06	.06	.05	.05	.08	.08	.05	.04	.046	23	.10
23*	.05	.03	.02	.01	.01	.02	.02	.05	.06	.07	.07	.08	.08	.10			.14	.13	.13	.13	.14	.12	.11	.15	.077	22	.17
24*	.14	.10	.09	.10	.13	.14	.16	.19	.18	.16	.10	.09	.12	.11		.12	.14	.16	.17	.13	.07	.06	.06	.10	.123	23	.22
25	.07	.06	.07	.05	.05	.06	.09	.11	.10	.09	.06		.06	.06		.08	.12	.14	.12	.12	.16	.13	.11	.10	.090	22	.19
26	.10	.09	.06	.03	.04	.07	.18	.28	.22	.21	.13	.12	.08	.08		.09	.13	.15	.08	.07	.08	.10	.10	.08	.111	23	.33
27	.06	.07	.07	.06	.07	.09	.10	.15	.17	.15	.13	.11	.14	.11		.18	.16	.18	.20	.17	.14	.13	.12	.11	.123	23	.23
28	.12	.08	.08	.07	.06	.06	.06	.06	.06	.06	.08	.09	.06	.03		.05	.07	.05	.06	.08	.10	.10	.10	.08	.072	23	.13
29	.08	.05	.03	.02	.02	.04	.09	.20	.20	.20	.16	.18	.13	.17		.19	.23	.23	.19	.19	.21	.20	.17	.14	.144	23	.27
30*	.12	.10	.07	.05	.06	.08	.13	.17	.17	.15	.13	.16	.17	.17		.17	.19	.17	.18	.15	.14	.16	.17	.21	.141	23	.26
MEAN	.09	.07	.07	.05	.05	.06	.11	.17	.17	.14	.11	.10	.09	.09		.10	.13	.14	.12	.11	.11	.10	.11	.10	.103		
NO.	27	27	27	27	27	27	27	27	25	23	25	23	25	24	1	22	26	27	26	26	26	25	25	25		590	
MAX.	.26	.21	.25	.18	.14	.16	.29	.38	.48	.32	.21	.18	.17	.17	.05	.19	.23	.24	.20	.19	.23	.20	.19	.27	.173		.54

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-91.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
DEC. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1*	.17	.14	.09	.06	.05	.05	.05	.06	.10	.12	.09	.11	.13			.18	.17	.11	.13	.16	.20	.17	.10	.06	.114	23	.25
2	.03	.02	.02	.02	.06	.19	.33	.38			.22	.24	.23	.17		.11	.15	.14	.09	.10	.10	.14	.13	.10	.141	21	.43
3	.08	.06	.04	.04	.06	.06	.13	.17	.25	.23		.15						.13	.15	.14	.12	.14	.15	.14	.124	18	.28
4	.12	.09	.08	.07	.07	.09	.15	.23	.20	.18	.18	.14	.12	.14		.22	.19	.16	.18	.19	.16	.13	.12	.10	.142	23	.27
5	.09	.07	.05	.05	.05	.06	.14	.21	.24	.21	.17	.15				.14	.15	.16	.16	.16	.13	.15	.10	.08	.129	21	.25
6	.06	.05	.05	.05	.06	.10	.15	.20	.19	.15	.11		.12	.13		.14	.28	.33	.35	.37	.46	.47	.37	.36	.206	22	.54
7*	.39	.28	.16	.10	.09	.09	.12	.13	.16	.12	.10	.09	.07	.06			.11	.12	.08	.06	.07	.05	.05	.05	.115	22	.51
8*	.06	.07	.05	.04	.05	.04	.03	.05	.05	.06	.05	.05	.06	.07		.09	.12	.13	.11	.11	.10	.12	.10	.10	.074	23	.17
9	.08	.06	.05	.04	.05	.05	.10	.17	.15	.12	.11	.11	.12	.09				.17	.15	.11	.12	.12	.09	.07	.101	21	.19
10	.05	.04	.03	.03	.03	.04	.08	.15	.18	.17						.15	.20	.15	.14	.13	.14	.14	.12	.12	.109	19	.24
11	.10	.08	.05	.05	.10	.12	.12	.22	.20	.35	.21	.16	.14			.19	.11	.11	.13	.09	.07	.10	.17	.14	.136	22	.39
12	.09	.10	.08	.05	.06	.05	.10	.14	.15	.13	.12	.11	.11			.12	.13	.12	.17	.12	.13	.12	.09	.10	.108	22	.19
13	.09	.09	.06	.05	.07	.09	.10	.15	.16	.14	.10	.10	.09	.08			.11	.13	.11	.10	.10	.10	.09	.10	.100	22	.19
14*	.10	.08	.07	.05	.05	.05	.07	.10	.12	.13	.11	.14	.13	.11		.14	.17	.17	.16	.14	.16	.11	.11	.12	.111	23	.21
15*	.12	.12	.09	.07	.06	.05	.06	.09	.09	.13	.13	.11	.10	.08			.13	.11	.11	.11	.10	.11	.12	.12	.099	22	.16
16	.12	.09	.08	.08	.08	.10	.15	.28	.37	.34	.32	.23	.16	.14		.18	.16	.21	.22	.18	.21	.21	.24	.27	.192	23	.42
17	.21	.18	.14	.17	.14	.22	.27	.31	.30	.28	.18	.17		.12			.17	.18	.15	.12	.12	.11	.10	.11	.177	21	.37
18	.08	.07	.05	.05	.06	.07	.12	.19	.26	.23	.21	.19	.19	.15			.10	.11	.14	.12	.13	.14	.13	.11	.131	22	.29
19	.09	.07	.06	.05	.05	.05	.07	.13	.18	.17	.15	.14	.12	.10		.12	.16	.18	.20	.22	.23	.22	.18	.17	.134	23	.25
20	.14	.11	.11	.09	.09	.11	.16	.23	.33	.34	.20	.14	.13	.14		.12	.15	.15	.16	.17	.18	.20	.17	.18	.164	23	.45
21*	.17	.18	.16	.12	.11	.11	.14	.21	.25	.31	.23	.19	.20	.26		.19	.20	.23	.26	.41	.47	.42	.38	.39	.243	23	.51
22*	.47	.34	.35	.22	.17	.16	.15	.17	.17	.18	.16	.16	.17	.16		.15	.23	.27	.25	.38	.39	.39	.38	.33	.251	23	.56
23	.30	.23	.19	.18	.19	.18	.24	.33	.38				.20	.21		.17	.17	.22	.21	.19	.16	.17	.15	.13	.210	20	.40
24	.11	.10	.07	.05	.04	.04	.05	.11	.12	.12	.12	.12	.10	.12		.12	.15	.12	.12	.11	.10	.11	.12	.10	.100	23	.17
25	.10	.08	.10	.07	.07	.12	.14	.15	.17	.14	.16	.13	.08	.09			.08	.08	.09	.10	.10	.09	.09	.08	.104	22	.18
26	.07	.05	.03	.03	.05	.05	.09	.13	.16	.14	.13		.09	.12		.13	.19	.22	.16	.14	.16	.15	.11	.11	.114	22	.24
27	.08	.06	.05	.04	.06	.08	.09	.12	.14	.14	.12	.12	.12	.15		.09	.14	.14	.12	.10	.12	.11	.10	.11	.102	23	.16
28*	.12	.08	.07	.05	.05	.05	.09	.13	.16	.17	.13	.14	.12	.11		.11	.16	.15	.13	.12	.11	.11	.11	.14	.112	23	.19
29*	.12	.10	.11	.08	.07	.06	.05	.07	.08	.09	.09	.08	.07	.08		.09	.14	.14	.14	.12	.13	.15	.12	.12	.099	23	.16
30	.09	.07	.07	.06	.06	.07	.10	.15	.22	.22	.24	.19	.13	.16		.15	.20	.22	.23	.21	.24	.29	.34	.32	.176	23	.36
31	.28	.24	.26	.24	.23	.25	.28	.38	.47	.45	.35	.27	.27			.16	.22	.28	.28	.29	.31	.28	.34	.29	.292	22	.54
MEAN	.13	.11	.09	.08	.08	.09	.13	.18	.20	.19	.16	.14	.13	.12		.14	.16	.17	.16	.16	.17	.17	.16	.15	.142		
NO.	31	31	31	31	31	31	31	31	30	29	28	27	27	24	1	23	29	31	31	31	31	31	31	31		683	
MAX	.47	.34	.35	.24	.23	.25	.33	.38	.47	.45	.35	.27	.27	.26	.13	.22	.28	.33	.35	.41	.47	.47	.38	.39	.292		.56

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-92.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
JAN. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.03	.03	.04	.04		.03	.03	.03	.03	.03	.03	.03	.04	.03	.032	23	.04
2	.04	.03	.03	.03	.03	.03	.03	.04			.05	.04	.04	.04		.04	.04	.04	.04	.04	.04	.04	.03	.03	.036	21	.05
3	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.02	.03		.03	.03	.03	.03	.03	.02	.02	.02	.03	.028	23	.04
4	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01		.02	.02	.02	.02	.02	.02	.02	.02	.02	.020	23	.03
5*	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03			.03	.04	.05	.05	.05	.04	.05	.04	.03	.035	22	.06
6*	.03	.04	.03	.04	.04	.03	.03	.03	.03	.03	.03	.03	.03	.02		.02	.02	.02	.02	.02	.02	.02	.02	.02	.027	23	.04
7	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.026	23	.03
8	.03	.02	.02	.03	.02	.03	.03	.02	.03		.03	.03						.02	.02	.02	.02	.02	.02	.02	.024	18	.03
9	.01	.01	.01	.01	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03		.02	.02	.01	.01	.01	.01	.01	.01	.01	.017	23	.03
10	.01	.01	.01	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01		.03	.02	.03	.02	.02	.02	.02	.02	.02	.013	23	.03
11	.02	.02	.01	.01	.02	.01	.02	.02	.02	.02	.02	.03	.02	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.023	23	.03
12*	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03					.02	.03	.03	.03	.02	.02	.02	.02	.02	.027	20	.03
13*	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.026	23	.03
14	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.03	.03			.04	.04	.04	.03	.03	.03	.03	.03	.033	22	.04
15	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04		.04	.04	.04		.05	.05	.05	.04	.04	.04	.04	.04	.04	.037	22	.05
16	.04	.04	.04	.04	.04	.04	.04	.04	.05	.04	.05	.04	.04	.05		.04	.05	.04	.04	.04	.04	.03	.03	.03	.040	23	.05
17	.03	.03	.04	.03	.03	.04	.04	.04	.04	.04	.04	.04	.04	.04											.036	14	.05
18																											
19*	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.03	.03	.03		.04	.03	.03	.03	.03	.03	.03	.03	.03	.031	23	.05
20*	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02		.02	.02	.02	.02	.02	.02	.02	.02	.02	.021	23	.03
21	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.04	.04	.04	.04		.04	.04	.04	.04	.04	.04	.04	.03	.03	.031	23	.05
22	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03			.04	.04	.04	.03	.03	.03	.03	.03	.032	22	.04
23	.03	.03	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.02			.03	.03	.03	.03	.03	.03	.03	.02	.026	22	.03
24	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.03	.03	.03		.03	.04	.04	.04	.04	.04	.04	.04	.04	.035	23	.04
25	.04	.04	.04	.03	.03	.03	.03	.04	.04	.05	.05	.05	.05	.05		.06	.06	.07	.07	.07	.06	.05	.05	.04	.047	23	.07
26*	.05	.04	.04	.04	.04	.03	.03	.03	.04	.04	.04	.05	.05	.04	.05	.05			.04	.04	.04	.04	.03	.03	.040	22	.06
27*	.03	.03	.03	.02	.02	.02	.02	.02	.03	.03	.02	.02	.02	.02	.02			.03	.02	.02	.02	.02	.02	.03	.024	22	.04
28	.02	.02	.02	.02	.02	.03	.04										.03	.03	.03	.03	.03	.03	.03	.03	.027	15	.04
29	.03	.03	.03	.03	.03	.03	.03	.03	.04			.04	.05	.06		.05	.06	.06	.05	.04	.04	.04	.03	.03	.039	21	.06
30	.04	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.03			.04	.04	.04	.04	.03	.03	.03	.03	.033	22	.05
31	.03	.02	.02	.03	.03	.03	.03	.03	.04	.06	.07	.05	.05	.05		.04	.05	.06	.07	.05	.05	.05	.05	.05	.043	23	.08
MEAN	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03		.03	.04	.03	.03	.03	.03	.03	.03	.03	.030		
NO.	30	30	30	30	30	30	30	29	28	26	27	28	27	26	2	22	26	28	29	29	29	29	29	29		653	
MAX.	.05	.04	.04	.04	.04	.04	.04	.04	.05	.06	.07	.05	.05	.06	.05	.06	.06	.07	.07	.07	.06	.05	.05	.05	.047		.08

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-93.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
FEB. 1963

DAY OF MONTH	A M												P M												DAILY MEAN	NO. OF HRS	5-MIN MAX
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12			
1	.05	.05	.05	.05	.04	.04	.05	.05	.06	.06	.05	.06	.06	.05		.06	.07	.07	.05	.05	.04	.04	.05	.03	.050	23	.07
2*	.03	.03	.03	.03	.03	.03	.03	.03	.03	.01	.00	.03	.03	.03		.04	.03	.03	.03	.03	.03	.03	.03	.03	.028	23	.04
3*	.03	.03	.03	.03	.03	.03	.03	.02	.02	.03	.03	.03	.03	.03			.05	.05	.04	.03	.03	.03	.04	.03	.032	22	.05
4	.03	.03	.03	.02	.02	.02	.02	.02	.03	.04	.04	.04	.03	.03			.03	.04	.04	.04	.04	.05	.05	.05	.032	22	.06
5	.04	.04	.04	.03	.03	.03	.03	.03	.03	.03	.03	.04	.03	.04		.04	.04	.04	.04	.04	.06	.07	.07	.06	.041	23	.08
6	.06	.05	.05	.04	.03	.04	.04	.05	.05	.04	.04		.05	.05			.04	.04	.04	.03	.02	.02	.02	.02	.039	21	.06
7	.02	.03	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03			.03	.03	.03	.03	.03	.03	.03	.03	.026	22	.04
8	.03	.02	.02	.01	.01	.01	.01	.02					.03	.03		.03	.03	.04	.04	.03	.03	.03	.03	.03	.025	19	.04
9*	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.04	.05			.04	.04		.03	.03	.03	.04	.04	.035	21	.05
10*	.03	.03	.03	.02	.02	.02	.02	.01	.01	.01	.02	.02	.02	.02		.02	.02	.02	.02	.02	.02	.02	.03	.03	.021	23	.04
11	.02									.03	.03	.03	.03	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.030	15	.04
12	.03	.03	.03	.03	.03	.03	.04	.05	.06	.06	.06	.05	.05	.04		.04	.05	.05	.04	.04		.04	.04	.04	.042	22	.06
13																											
14																											
15																											
16*																											
17*																											
18																											
19																											
20																											
21																											
22	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.03	.03	.03		.04	.05	.05	.05	.04	.04	.04	.04	.04	.036	23	.05
23*	.04	.03	.04	.04	.04	.04	.04	.04	.04	.05	.06	.06	.06	.06			.05	.05	.04	.04	.04	.04	.04	.05	.044	22	.07
24*	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.03	.03	.03		.03	.04	.05	.05	.05	.05	.05	.05	.04	.040	23	.05
25	.04	.03	.03	.03	.03	.03	.03	.04	.03	.03			.03	.03			.04	.04	.04	.04	.04	.04	.04	.05	.035	20	.05
26	.04	.04	.04	.04	.04	.04	.04	.04	.05	.07	.07	.05	.05	.04			.05	.05	.05	.05	.05		.05	.05	.047	21	.07
27																											
28																											
MEAN	.03	.03	.03	.03	.03	.03	.03	.03		.04			.04	.04			.04	.04	.04	.04	.04	.04	.04	.04	.036		
NO.	17	16	16	16	16	16	16	16	15	16	15	14	17	17		9	17	17	16	17	16	16	17	17		365	
MAX	.06	.05	.05	.05	.04	.04	.05	.05	.06	.07	.07	.06	.06	.06		.06	.07	.07	.05	.05	.06	.07	.07	.06	.050		.08

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-94.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
MARCH 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.05	.04	.04	.05	.05	.05	.05	.06	.06	.06							.07	.07	.08	.07	.07	.08	.08	.08	.061	18	.09
2*	.08	.07	.07	.07	.06	.06	.06	.06	.06	.07	.06	.06	.06	.06		.07	.08	.09	.10	.10	.10	.09	.08	.07	.072	23	.10
3*	.07	.06	.06	.06	.06	.06	.05	.06	.06	.06	.05	.06	.06	.07		.07	.07	.06	.06	.06	.06	.06	.06	.06	.061	23	.09
4	.06	.05	.05		.04	.04	.04	.04	.05	.05	.05	.04	.04	.04		.04	.05	.04	.04	.04	.04	.04	.04	.05	.043	22	.06
5	.04	.04	.03	.03	.03	.04	.04	.05	.05	.05	.05	.05	.05	.05			.04	.04	.04	.04	.05	.05	.04	.03	.041	22	.05
6																											
7																											
8	.03	.03	.02	.02	.03	.03	.03	.04	.04	.04	.04	.04	.03	.04		.03	.03	.04	.04	.04	.04	.04	.04	.04	.034	23	.04
9*	.04	.04	.03	.04	.03	.03	.03	.03	.03	.04	.03	.04	.04	.04						.04	.04	.04	.04	.04	.036	19	.05
10*	.04	.04	.04	.04	.04	.04	.04	.04	.04	.03	.03	.03	.03	.03	.04	.04			.04	.04	.04	.03	.04	.04	.036	22	.04
11	.04	.04	.04	.04				.03	.03	.03	.03	.03	.03	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.032	20	.04
12	.04	.03	.03	.03	.03	.03	.03	.04	.04	.05	.04	.04	.04	.03		.03	.03	.03	.03	.04	.04	.04	.04	.04	.035	23	.06
13	.04	.04	.03	.03	.03	.03	.03	.04	.04	.04	.04	.03	.03	.03		.03	.03	.04	.04	.04	.04	.05	.05	.05	.037	23	.06
14	.06	.05	.06	.07	.07	.06	.05	.04	.04	.05	.05	.05	.05	.05		.04	.04	.05	.05	.05	.05	.05	.04	.05	.050	23	.08
15	.07	.05	.05	.05	.06	.05	.06	.05	.05	.04	.04	.04	.05	.05		.04	.04	.04	.04	.04	.04	.04	.04	.04	.047	23	.08
16*	.04	.04	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04				.03	.03	.03	.02	.02	.02	.02	.02	.030	21	.04
17*	.02	.03	.04	.03	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03			.03	.03	.04	.04	.04	.04	.04	.04	.030	22	.04
18	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04			.04	.03	.03	.03	.04	.04	.04	.03	.032	22	.06
19	.03	.02	.02	.02	.02	.02	.03	.03	.03	.03		.03	.04	.04			.02	.02	.03	.03	.03	.03	.03	.03	.028	21	.05
20	.03	.03	.02	.02	.02	.02	.03	.03	.03	.04	.04	.04	.04	.04											.031	14	.04
21																											
22	.03	.03	.02	.02	.02	.02	.03	.03	.03	.02	.02	.02	.02	.02		.04	.04	.05	.05	.05	.07	.08	.07	.07	.036	23	.08
23*	.06	.06	.06	.05	.05	.05	.05	.05	.05	.05	.06	.05	.06			.06	.07	.07	.07	.06	.06	.06	.06	.05	.058	22	.08
24*	.05	.05	.04	.04	.04	.05	.05	.05	.04	.04	.04	.04	.04	.04		.04	.04	.05	.05	.05	.05	.05	.04	.04	.044	23	.05
25	.04	.03	.03	.03	.03	.04	.04	.05	.05	.05	.05	.04	.04	.04			.06	.05	.05	.04	.04	.04	.04	.03	.040	22	.06
26	.04	.03	.02	.02	.02	.03	.03	.04	.04	.05								.15	.10	.07	.06	.06	.06	.06	.051	17	.17
27	.05	.05	.04	.04	.04	.04	.05	.05	.05	.05	.05	.05	.05	.06		.05	.06	.06	.06	.05	.05	.06	.06	.06	.051	23	.06
28	.05	.05	.04	.04	.04	.04	.04	.04	.03	.04	.04	.04	.04	.05		.05	.05	.06	.06	.06	.06	.06	.06	.06	.048	23	.06
29	.05	.05	.05	.04	.04	.04	.04	.05	.06	.05	.05	.04	.04	.05		.04	.04	.05	.04	.04	.04	.03	.03	.03	.043	23	.06
30*	.03	.03	.03	.03	.03	.03	.04	.06	.06	.04	.06	.05	.05	.05					.05	.05	.06	.06	.05	.05	.046	20	.07
31*	.05	.04	.04	.04	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04		.03	.03	.03	.03	.03	.03	.03	.03	.03	.033	23	.05
MEAN	.05	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04		.04	.04	.05	.05	.05	.05	.05	.05	.05	.043		
NO.	28	28	28	27	27	27	27	28	28	28	25	26	26	24	1	17	23	24	26	27	27	27	27	27		603	
MAX	.08	.07	.07	.07	.07	.06	.06	.06	.06	.07	.06	.06	.06	.07	.04	.07	.08	.15	.10	.10	.10	.09	.08	.08	.072		.17

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-95.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
APRIL 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX
1	.03	.02	.02	.02	.02	.02	.02	.02	.03	.03	.04	.04	.07	.09		.05	.05	.05	.06	.06	.06	.05	.05	.05	.041	23	.10
2	.05	.04	.03	.03	.03	.03	.04	.05	.06	.06	.06		.05	.05		.05	.05	.07	.07	.05	.05	.05	.05	.05	.047	22	.07
3	.04	.03	.03	.04	.05	.04	.03	.04	.04	.04	.04	.04	.04	.04			.03	.03	.03	.03	.03	.03	.03	.03	.034	22	.08
4	.02	.02	.02	.02	.02	.02	.03	.03	.04	.04	.05	.04	.04	.04				.05	.05	.05	.05	.05	.04	.04	.036	21	.05
5	.04	.04	.04	.03	.03	.04	.04	.05	.06	.05	.05	.04	.04	.04		.04	.04	.04	.04	.04	.04	.04	.04	.04	.041	23	.06
6*	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.05	.05	.06	.08			.08	.08	.07	.07	.06	.06	.05	.05	.048	22	.09
7*	.05	.05	.04	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04		.05	.05	.05	.05	.05	.05	.05	.04	.05	.041	23	.05
8	.05	.04	.04	.03	.03	.03	.03	.04	.05	.05	.05	.05	.05	.06			.04	.04	.04	.04	.04	.04	.04	.04	.041	22	.06
9	.04	.03	.03	.02	.03	.03	.04	.04	.05									.03	.03	.03	.03	.03	.03	.03	.032	16	.06
10	.03	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.04	.04	.03		.03	.03	.03	.03	.03	.04	.05	.05	.06	.032	23	.06
11	.06	.06	.06	.04	.04	.03	.04	.04	.04	.04	.05	.04	.04	.04		.04	.04	.03	.03	.03	.03	.03	.03	.03	.039	23	.06
12	.03	.03	.03	.03	.03	.03	.03	.03	.05	.04	.04	.04	.04	.04		.03	.03	.03	.03	.04	.04	.04	.04	.04	.035	23	.05
13*	.04	.04	.04	.03	.03	.03	.03	.03	.03	.04	.04	.05	.05	.05		.04	.05	.04	.05	.04	.05	.05	.05	.06	.041	23	.06
14*	.06	.04	.05	.05	.05	.06	.06	.05	.05	.03	.04	.04	.04	.04		.03	.04	.03	.03	.04	.04	.04	.05	.06	.043	23	.06
15	.05	.03	.04	.04	.05	.04	.06	.06	.05								.06	.06	.06	.05	.05	.05	.05	.04	.049	17	.07
16	.04	.03	.02	.02	.02	.02	.03	.03	.04	.04	.04	.04	.04	.03		.04	.05	.05	.06	.05	.04	.03	.03	.02	.035	23	.06
17	.02	.02	.02	.01	.02	.02	.02	.03	.05	.05		.04	.03	.04		.04	.05	.05	.04	.04	.04	.03	.03	.03	.032	22	.06
18	.03	.02	.02	.02	.01	.01	.02	.02	.03	.03	.03	.03		.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.026	22	.04
19	.03	.03	.02	.02	.02	.02	.02	.03	.03			.04	.04	.04				.03	.03	.03	.02	.02	.02	.02	.027	19	.05
20*	.02	.02	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02		.04	.04	.04	.03	.04	.04	.04	.04	.04	.025	23	.04
21*	.03	.04	.03	.03	.02	.02	.02	.02	.03	.02	.03	.03	.03	.03		.03	.03	.03	.03	.03	.04	.04	.03	.03	.029	23	.04
22	.03	.03	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.04	.04			.04	.04	.04	.04	.04	.03	.04	.04	.031	22	.04
23	.04	.03	.03	.03	.03	.03	.04	.04	.05	.05	.05	.04	.04	.05				.04	.04	.04	.04	.04	.04	.04	.040	21	.05
24	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.05	.04	.04	.04	.04	.04			.04	.04	.04	.04	.04	.04	.037	22	.05
25	.04	.04	.04	.04	.04	.04	.05	.05	.06	.07	.08	.06	.05	.05							.06	.06	.06	.06	.053	18	.10
26	.06	.04	.04	.04	.04	.05	.06	.10	.09	.08	.08	.08		.06	.07	.08	.08	.09	.08	.09	.08	.07	.07	.06	.070	23	.11
27*	.05	.05	.05	.04	.04	.04	.04	.05	.06	.07	.09			.08	.08	.08	.07	.07	.07	.07	.07	.07	.07	.07	.062	22	.10
28*	.06	.05	.04	.04	.03	.03	.03	.03	.03	.03	.04	.05		.05	.05	.06	.06	.06	.06	.06	.05	.05	.05	.05	.045	23	.07
29	.04	.03	.02	.03	.03	.03	.03	.03	.03	.04	.04	.07	.07					.05	.05	.04	.05	.05	.05	.04	.040	20	.09
30	.03	.02	.01	.01	.02	.02	.03	.04	.04	.04	.04	.04	.05	.05			.05	.05	.05	.04	.04	.04	.04	.04	.035	22	.05
MEAN	.04	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.04	.05		.04	.05	.05	.05	.04	.04	.04	.04	.04	.040		
NO.	30	30	30	30	30	30	30	30	30	27	26	26	24	27	4	18	23	28	29	29	30	30	30	30		651	
MAX	.06	.06	.06	.05	.05	.06	.06	.10	.09	.08	.09	.08	.07	.09	.08	.08	.08	.09	.08	.09	.08	.07	.07	.07	.070		.11

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-96.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
MAY 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.04	.03	.03	.03	.03	.04	.04	.04	.04	.04	.04	.04	.04	.04		.05	.05	.04	.04	.05	.05	.06	.06	.06	.043	23	.06
2	.06	.06	.04	.04	.04	.05	.05	.06	.06	.06	.06	.06	.06	.06		.06	.06	.05	.05	.05	.05	.05	.04	.04	.053	23	.07
3	.04	.04	.04	.03	.03	.03	.04	.05	.07	.06	.06	.06	.06	.06			.07	.06	.06	.07	.06	.06	.06	.06	.053	22	.07
4*	.05	.05	.05	.05	.05	.05	.05	.05	.06	.06	.07			.07	.06	.07	.07	.06	.04	.03	.04	.04	.03	.03	.050	22	.08
5*	.03	.02	.02	.02	.03	.03	.03	.03	.03	.04	.04	.04	.04	.05		.05	.05	.04	.04	.04	.04	.04	.04	.04	.036	23	.05
6	.04	.04	.04	.04	.04	.04	.05	.06	.07	.06	.06	.04	.04	.04		.08	.11	.10	.09	.08	.08	.08	.09	.10	.063	23	.11
7	.09	.07	.07	.07	.07	.07	.08	.09	.06	.05	.06	.06	.06	.07			.05	.05	.04	.05	.05	.05	.05	.05	.061	22	.10
8	.04	.03	.03	.03	.03	.03	.03	.03	.04	.05	.05	.05	.04	.05			.04	.04	.05	.05	.05	.04	.04	.04	.039	22	.06
9	.03	.01	.01	.03	.04	.04	.04	.06				.06	.06	.07		.03	.03	.03	.03	.03	.03	.03	.03	.03	.036	20	.08
10	.03	.02	.02	.02	.02	.01	.01	.02	.03	.02	.02	.02	.03		.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.022	23	.04
11*	.02	.02	.01	.01	.01	.01	.01	.02	.02	.02	.02	.03	.03		.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.021	23	.04
12*	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.025	23	.03
13	.03	.02	.02	.02	.02	.02	.02	.02	.02	.03	.05	.05	.05	.05			.04	.04	.03	.03	.03	.02	.03	.02	.029	22	.08
14	.02	.02	.02	.02	.02	.02	.02	.03	.03	.04	.04	.04	.04	.04		.04	.03	.03	.03	.03	.03	.03	.03	.03	.029	23	.04
15	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	.04		.04	.04	.04	.04	.04	.03	.03	.03	.03	.030	23	.05
16	.03	.03	.02	.02	.03	.03	.03	.04	.04	.04	.05	.05	.05	.05		.04	.04	.05	.05	.04	.04	.04	.04	.04	.038	23	.05
17	.04	.04	.03	.03	.03	.03	.04	.04	.04	.04	.04	.04	.04	.04		.04	.04	.04	.04	.04	.04	.04	.04	.05	.038	23	.05
18*	.05	.04	.04	.04	.03	.03	.03	.04	.03	.03	.04					.03	.03	.03	.03	.03	.03	.03	.03	.03	.033	20	.05
19*	.03	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.02	.03	.027	23	.03
20	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03		.03	.04	.04	.04	.04	.04	.03	.03	.03	.03	.03	.029	23	.05
21	.03	.03	.03	.02	.02	.03	.03	.03	.03	.03					.01	.03	.03	.03	.03	.03	.03	.03	.03	.03	.028	20	.04
22	.03	.02	.02	.02	.02	.03	.03	.04	.04	.05	.05	.05	.05		.04	.04	.04	.04	.03	.03	.03	.03	.03	.03	.034	23	.05
23	.03	.03	.03	.03	.03	.04	.04	.05	.05	.06	.07	.07	.06				.05	.04	.04	.04	.04	.04	.04	.03	.043	21	.07
24	.03	.03	.04	.05	.05	.05	.05	.06	.06	.06	.05	.05	.06		.06	.06	.06	.06	.06	.06	.05	.05	.05	.05	.052	23	.06
25*	.05	.04	.04	.04	.04	.04	.04	.05	.06	.08				.07	.07	.06	.07	.06	.06	.06	.06	.06	.06	.05	.055	21	.08
26*	.05	.04	.04	.05	.04	.04	.04	.04	.04	.04	.05	.05	.05		.06	.06	.06	.06	.06	.05	.05	.05	.05	.05	.048	23	.06
27	.05	.04	.04	.04	.04	.04	.04	.05	.05	.07	.06	.06	.06			.06	.06	.06	.06	.06	.06	.06	.05	.05	.052	22	.07
28	.05	.05	.04	.04	.04	.04	.05	.06	.08	.10							.05	.05	.05	.04	.04	.04	.04	.04	.050	18	.12
29	.04	.04	.03	.03	.03	.02	.02	.03	.04	.05	.06	.06	.07		.05	.04	.04	.03	.03	.02	.02	.02	.02	.02	.035	23	.07
30	.02	.02	.02	.02	.02	.03	.04	.04	.05	.04	.04	.05	.06		.07	.09	.07	.06	.06	.05	.04	.04	.04	.04	.044	23	.09
31	.03	.03	.04	.03	.03	.04	.04	.05	.06	.06	.06	.03	.03		.05	.06	.05	.05	.04	.04	.04	.04	.05	.05	.043	23	.07
MEAN	.04	.03	.03	.03	.03	.03	.04	.04	.04	.05	.05	.04	.05	.05		.05	.05	.05	.04	.04	.04	.04	.04	.04	.040		
NO	31	31	31	31	31	31	31	31	30	30	27	26	24	18	13	25	31	31	31	31	31	31	31	31		689	
MAX	.09	.07	.07	.07	.07	.07	.08	.09	.08	.10	.07	.07	.07	.07	.07	.09	.11	.10	.09	.08	.08	.08	.09	.10	.063		.12

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-97.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
JUNE 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX.
1*	.05	.04	.04	.03	.03	.04	.04	.05	.05	.06	.06	.06			.05	.08	.08	.08	.08	.08	.07	.07	.06	.06	.057	22	.09
2*	.05	.04	.04	.04	.04	.04	.04	.03	.03	.04	.04	.03	.03		.04	.04	.05	.04	.03	.03	.03	.03	.03	.03	.036	23	.06
3	.02	.02	.02	.02	.02	.02	.03	.04	.07	.16	.11	.11	.08			.09	.07	.05	.04	.04	.04	.04	.04	.04	.053	22	.18
4	.04	.04	.03	.03	.03	.03	.03	.05	.06	.07	.07	.05	.05		.06	.07	.06	.05	.05	.05	.05	.04	.04	.04	.047	23	.10
5	.04	.04	.04	.04	.04	.04	.05	.05	.05	.05	.05	.06	.07		.15	.14	.15	.07	.05	.04	.04	.04	.03	.03	.059	23	.20
6	.03	.03	.03	.03	.03	.03	.03	.05	.08	.08	.07	.07	.06		.06	.06	.05	.04	.03	.03	.03	.03	.03	.03	.043	23	.09
7	.03	.02	.02	.02	.02	.02	.04	.06	.07	.08	.08	.09	.09		.07	.07	.07	.06	.04	.03	.03	.03	.03	.03	.047	23	.09
8*	.03	.02	.03	.02	.02	.02	.03	.03	.03	.04	.05	.05		.03	.03	.03	.03	.03	.02	.02	.02	.03	.02	.02	.028	23	.06
9*																											
10																											
11				.01	.01	.02	.02	.03	.03	.04	.03	.03			.03	.03	.04	.03	.03	.03	.02	.02	.03	.02	.025	19	.06
12	.02	.02	.02	.02	.02	.02	.03	.04	.05	.05	.05	.03		.03	.04	.03	.04	.03	.03	.04	.04	.03	.03	.03	.031	23	.05
13	.03	.03	.03	.03	.03	.04	.04	.05	.06	.06	.07	.06		.05	.06	.06	.07	.06	.06	.06	.06	.06	.06	.05	.051	23	.08
14	.06	.05	.05	.05	.04	.03	.04	.04	.04	.04	.04	.04		.04	.05	.05									.043	15	.06
15*																											
16*																											
17																											
18																											
19	.05	.05	.04	.05	.05	.06	.08	.08	.08		.07	.06		.05	.05	.05	.07	.08							.059	16	.09
20										.04	.04	.04		.03	.04	.04	.04	.04	.04	.04	.04	.04	.04	.03	.039	14	.05
21	.03	.03	.02	.02	.02	.02	.03	.03	.04	.05	.04	.04		.03	.03	.04	.05	.04	.03	.03	.03	.03	.04	.04	.032	23	.05
22*	.05	.05	.05	.04	.03	.03	.04	.04	.04	.04	.06	.06		.06	.07	.07	.08	.08	.06	.06	.06	.06	.06	.06	.055	23	.08
23*	.06	.05	.04	.04	.03	.04	.04	.06	.12	.13	.13	.09		.11	.11	.12	.11	.11	.10	.11					.082	19	.13
24																											
25				.04	.07	.07	.09	.11	.13	.14	.17	.17	.19	.21		.17	.19	.15	.13	.12	.10	.11	.11	.10	.129	20	.23
26	.11	.10	.10	.10	.08	.06	.08	.11	.12	.10	.10	.07	.07	.06		.07	.09	.08	.08	.07	.09	.11	.12	.12	.091	23	.13
27	.10	.07	.06	.06	.05	.05	.08	.13	.13	.11	.11	.10	.13	.13		.10	.10	.09	.09	.07	.06	.06	.07	.06	.087	23	.16
28	.07	.06	.05	.04	.03	.04	.05	.06	.08	.03	.07	.11	.11	.10		.08	.09	.09	.08	.08	.07	.07	.07	.07	.068	23	.11
29*	.06	.06	.06	.05	.04	.04	.05	.07	.09	.10	.11	.10	.07	.07			.07	.08	.10	.11	.11	.11	.11	.10	.079	22	.11
30*	.10	.08	.06	.06	.04	.05	.06	.07	.08	.08	.09	.11	.14	.15		.18	.14	.13	.13	.14	.13	.13	.12	.09	.101	23	.19
MEAN	.05	.04	.04	.04	.04	.04	.04	.06	.07	.07	.07	.07			.06	.08	.08	.07	.06	.06	.06	.06	.06	.05	.059		
NO.	20	20	20	22	22	22	22	22	22	22	23	23	12	15	16	22	22	22	21	21	20	20	20	20		491	
MAX	.11	.10	.10	.10	.08	.07	.09	.13	.13	.16	.17	.17	.19	.21	.15	.18	.19	.15	.13	.14	.13	.13	.12	.12	.129		.23

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-98.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
JULY 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.09	.10	.08	.05	.05	.05	.07	.11	.15	.14	.12	.09	.11	.14		.13	.15	.13	.08	.08	.08	.07	.07	.06	.095	23	.16
2	.07	.05	.04	.04	.04	.04	.05	.05	.05	.06	.05	.05	.05	.06		.06	.06	.07	.06	.06	.06	.06	.05	.04	.053	23	.07
3	.03	.03	.02	.03	.02	.03	.03	.04	.04	.04	.04	.04	.03	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.031	23	.05
4	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03		.03	.03	.03	.03	.03	.03	.03	.04	.03	.027	23	.04
5	.03	.03	.03	.03	.03	.04	.06	.08	.09	.11	.13	.14	.12	.09			.04	.04	.04	.03	.03				.063	19	.14
6*						.03	.03		.04	.06	.06	.07	.06	.06			.07	.08	.08	.08	.06	.04	.04	.03	.055	16	.08
7*	.03	.03	.03	.03	.03	.02	.03	.03	.02	.02	.02	.02	.03	.03		.03	.03	.02	.02	.02	.02	.02	.02	.02	.024	23	.03
8	.02	.02	.01	.01	.01	.01	.02	.02	.03	.03	.03	.03	.03	.03			.03	.03	.02	.02	.02	.02	.02	.02	.022	22	.04
9	.02	.03	.03	.03	.04	.04	.05	.03	.01	.00				.02		.04	.05	.05	.05	.05	.06	.06	.06	.06	.039	20	.07
10	.03	.03	.03	.03	.03	.03	.05	.09	.09	.10	.07	.06	.06	.07		.08	.09	.09	.04	.04	.03	.03	.04	.03	.053	23	.12
11	.03	.03	.02	.02	.02	.03	.03	.04	.09	.13	.10	.08	.09	.08		.08	.08	.06	.04	.04	.04	.04	.04	.04	.054	23	.14
12	.05	.05	.04	.03	.02	.03	.03	.04	.04	.07	.05	.05	.05	.05		.06	.07	.06	.03	.03	.03	.03	.03	.03	.042	23	.07
13*	.03	.02	.02	.02	.02	.02	.03	.04	.05							.03	.03	.02	.03	.03	.03	.03	.03	.03	.028	18	.06
14*	.03	.03	.03	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03		.03	.03	.03	.03	.03	.02	.02	.02	.02	.026	23	.03
15	.02	.02	.02	.02	.02	.02	.02	.03	.04	.04	.05	.05	.05	.05		.04	.04	.03	.02	.02	.02	.02	.02	.02	.029	23	.06
16	.02	.02	.02	.01	.02	.01	.02	.02	.04	.04	.05	.05		.06		.06	.07	.05	.06	.07	.08	.07	.05	.04	.042	22	.08
17	.03	.03	.03	.03	.03	.03	.03	.04	.05	.05	.04	.04	.04	.04		.04	.05	.04	.04	.04	.03	.03	.03	.03	.036	23	.06
18	.03	.03	.02	.02	.02	.02	.02	.04	.08	.11	.10	.07	.06	.07		.07	.06	.04	.04	.04	.03	.03	.03	.03	.046	23	.13
19	.03	.02	.01	.02	.03	.03	.03	.03	.04	.06	.06	.05	.06	.06		.05	.05	.04	.03	.03	.03	.03	.03	.03	.037	23	.06
20*	.03	.03	.02	.02	.02	.03	.03	.03	.03	.04	.05	.05	.05	.04		.04	.04	.05	.05	.05	.04	.04	.04	.04	.037	23	.05
21*	.04	.05	.04	.03	.03	.03	.03	.04	.05	.05	.05	.06	.08	.08		.06	.06	.05	.04	.03	.03	.04	.04	.04	.046	23	.08
22	.03	.03	.02	.02	.02	.02	.03	.04	.06	.09	.12	.13	.09	.08			.09	.09	.07	.09	.08	.06	.05	.04	.062	22	.14
23	.04	.03	.03	.03	.03	.03	.04	.04	.06	.06	.06	.07	.07	.07		.06	.07	.06	.06	.05	.05	.04	.03	.03	.048	23	.07
24	.03	.03	.03	.03	.02	.03	.03	.04	.06	.06	.08	.09	.08	.09			.08	.08	.08	.08	.08	.07	.06	.05	.057	22	.11
25																											
26																											
27*																											
28*																											
29																											
30																											
31																											
MEAN	.03	.03	.03	.03	.03	.03	.03	.04	.05	.06	.06	.06	.06	.06		.05	.06	.05	.05	.04	.04	.04	.04	.03	.044		
NO.	23	23	23	23	23	24	24	23	24	23	22	22	21	23		19	24	24	24	24	24	23	23	23		529	
MAX.	.09	.10	.08	.05	.05	.05	.07	.11	.15	.14	.13	.14	.12	.14		.13	.15	.13	.08	.09	.08	.07	.07	.06	.095		.16

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-99.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
AUG. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX
1											.07	.07	.07	.06		.03	.03	.03	.03	.03	.03	.03	.04	.04	.042	13	.08
2	.04	.04	.03	.03	.03	.03	.04	.04	.04	.06	.09	.07	.06	.06		.05	.07	.07	.07	.06	.07	.07	.07	.07	.054	23	.10
3*	.05	.05	.05	.04	.03	.04	.05	.06	.09	.10	.08	.08	.06	.06		.03	.04	.04	.04	.03	.03	.03	.03	.02	.048	23	.12
4*	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03		.03	.03	.03	.03	.02	.02	.02	.02	.02	.024	23	.04
5	.02	.02	.02	.02	.02	.02	.02	.02	.03	.04	.04	.05	.05	.05			.04	.04	.04	.04	.03	.03	.03	.03	.032	22	.05
6	.02	.03	.02	.02	.02	.02	.03						.05	.06	.06	.06	.04	.04	.04	.04	.04	.04	.03	.03	.036	19	.07
7	.03	.03	.02	.02	.02	.02	.02	.03	.04	.06	.06	.05	.06	.06		.03	.03	.03	.03	.02	.02	.02	.02	.02	.032	23	.06
8	.02	.02	.02	.02		.02	.03	.06	.07	.08	.08	.06	.05	.04		.03	.03	.03	.02	.02	.03	.03	.02	.03	.036	22	.09
9	.02	.02	.02	.02	.02	.02	.02	.03	.04	.05	.05	.04	.04	.04		.03	.03	.03	.03	.02	.02	.02	.02	.02	.028	23	.06
10*	.02	.02	.01	.01	.01	.02	.02	.03	.03	.03		.04	.06	.06		.05	.05	.05	.05	.05	.04	.04	.04	.04	.035	22	.07
11*	.04	.06	.05	.05	.04	.04	.04	.05		.05	.05	.06	.06	.06		.05	.06	.06	.06	.04	.04			.04	.049	20	.07
12	.03	.03	.03	.03		.03	.03	.06	.10	.09	.09	.07	.07	.07		.05	.04	.04	.03	.03	.03	.03	.03	.03	.047	22	.10
13	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.04		.03	.03	.04	.02	.02	.02	.02	.02	.02	.024	23	.04
14	.02	.02	.01	.01	.01	.01	.02		.03	.03	.03	.03	.03	.03		.02	.03	.03	.02	.03	.03	.02	.02	.02	.022	22	.03
15	.02	.03	.02	.02	.02	.03	.04		.05	.05	.05	.05	.05								.03	.04	.03	.03	.034	16	.06
16	.04	.03	.03	.02	.02	.03	.03					.05	.04		.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.035	19	.05
17*	.03	.03	.02	.02	.02	.02	.02					.03	.03		.02	.03	.02	.02	.02	.02	.02	.02	.02	.02	.022	19	.04
18*	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03			.03	.03	.03	.03	.03	.03	.02	.02	.02	.026	22	.04
19	.03	.03	.03							.06	.05	.04	.04	.04		.04	.05	.04	.04	.03	.04	.04	.04	.04	.040	17	.06
20	.03	.04	.03	.03	.03	.02	.03	.04	.08	.13	.09	.07	.07	.11											.058	14	.15
21																											
22																											
23	.03	.04	.03	.03	.03	.03	.04	.05	.05	.05	.07	.06	.06	.07			.06	.06	.05	.05	.04	.04	.04	.03	.045	22	.08
24*	.04	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.04	.03	.03		.02	.03	.03	.03	.03	.03	.02	.03	.02	.026	23	.04
25*	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.02	.03	.03	.03		.02	.04	.04	.03	.03	.03	.03	.03	.02	.026	23	.04
26	.02	.03	.02	.02	.02	.02	.02	.03	.05	.05	.05	.07	.07	.08			.04	.04	.03	.03	.03	.03	.03	.03	.036	22	.08
27	.03	.03	.02	.02	.02	.03	.03	.04	.06	.08	.07	.05	.06	.06		.04	.06	.06	.06	.05	.04	.04	.04	.03	.043	23	.09
28	.04	.04	.03	.03	.03	.03	.04				.05	.06	.06	.04		.04	.05	.04	.04	.03	.03	.03	.03	.03	.039	20	.07
29	.03	.03	.02	.03	.04	.03	.03	.04	.05	.06	.05	.05	.06	.05		.05	.05	.04	.04	.03	.03	.03	.03	.03	.038	23	.07
30	.02	.03	.02	.02	.02	.02	.02	.03	.06	.05	.04	.04	.04	.04		.03	.04	.04	.03	.03	.03	.03	.03	.03	.032	23	.11
31*	.03	.03	.02	.02	.02	.02	.02	.03	.04	.06				.04		.03	.03	.03	.03	.03	.03	.02	.03	.03	.030	20	.06
MEAN	.03	.03	.02	.02	.02	.02	.03	.04	.05	.05	.05	.05	.05	.05		.04	.04	.04	.04	.03	.03	.03	.03	.03	.036		
NO.	28	28	28	27	25	27	27	21	22	24	24	27	28	25	3	24	27	27	27	27	28	27	27	28		606	
MAX.	.05	.06	.05	.05	.04	.04	.05	.06	.10	.13	.09	.08	.07	.11	.06	.06	.07	.07	.07	.06	.07	.07	.07	.07	.058		.15

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-100.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
SEPT. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	.03	.03	.02	.02	.02	.02	.02	.03	.03	.04	.04	.04	.05	.05		.04	.05	.04	.04	.03	.03	.03	.03	.03	.033	23	.05
2	.03	.03	.03	.03	.03	.03	.02	.03	.03	.03	.03	.03	.03	.03		.03	.03	.03	.03	.03	.03	.03	.03	.02	.029	23	.04
3	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03			.02	.03		.02	.03	.03	.03	.03	.02	.02	.02	.02	.024	21	.05
4	.02	.02	.02	.02	.02	.02	.02	.02	.03	.04	.05	.04	.04	.05		.04	.05	.05	.05	.05	.05	.05	.04	.04	.035	23	.05
5	.04	.03	.03	.03	.03	.04	.05	.05	.06	.06	.06	.06	.06	.06		.04	.03	.03	.03	.03	.03	.03	.03	.03	.041	23	.07
6	.03	.03	.02	.02	.03	.03	.04	.05	.06	.07	.08	.09	.09	.09			.09	.08	.08	.07	.08	.07	.07	.06	.060	22	.10
7*	.06	.04	.04	.04	.04	.04	.05	.05	.06	.07	.07	.06	.07	.05		.02	.02	.02	.02	.02	.02	.02	.02	.02	.040	23	.08
8*	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03		.03	.04	.04	.03	.03	.03	.02	.02	.02	.025	23	.04
9	.02	.03	.02	.02	.03	.03	.03	.05	.13	.12	.16	.14	.14	.11			.05	.05	.05	.03	.02	.02	.02	.02	.059	22	.18
10	.02	.01	.01	.01	.01	.01	.01	.02	.04	.04	.05	.06	.06	.07			.04	.04	.03	.03	.03	.02	.02	.02	.029	22	.09
11	.02	.03	.03	.03	.03	.02	.02	.03	.05	.05	.05	.05	.06	.05	.04			.03	.03	.02	.02	.02	.02	.02	.032	22	.07
12	.02	.02	.02	.02	.02	.02	.02	.02	.03	.02	.02	.02	.02	.02		.02	.02	.02	.02	.02	.02	.02	.02	.02	.020	23	.03
13	.02	.02	.02	.02	.01	.02	.02	.02	.02	.03	.03	.03	.03	.03		.02	.03	.03	.03	.03	.03	.03	.03	.03	.025	23	.03
14*	.03	.03	.03	.02	.02	.02	.02	.03	.03	.05	.04	.04	.04	.04		.04	.05	.05	.05	.04	.04	.04	.04	.03	.035	23	.07
15*	.03	.04	.03	.04	.03	.03	.03	.04	.05	.06	.04	.04	.04	.05		.04	.05	.04	.04	.03	.03	.03	.03	.03	.037	23	.07
16	.03	.04	.03	.04	.03	.03	.04	.04	.08	.08	.11	.09	.07	.07		.07	.09	.07	.06	.06	.05	.04	.05	.04	.056	23	.13
17	.04	.04	.04	.04	.04	.04	.04	.06	.09	.08	.07	.07	.10	.10			.06	.06	.05	.05	.05	.05	.05	.05	.056	22	.11
18	.04	.04	.04	.04	.04	.04	.05	.07	.08	.08	.08	.07	.06	.07		.06	.07	.07	.06	.06	.06	.07	.07	.06	.059	23	.08
19	.05	.05	.04	.04	.03	.04	.05	.07	.08	.07	.07	.06	.05	.03		.02	.02	.02	.02	.02	.02	.02	.02	.02	.039	23	.09
20	.02	.02	.01	.01	.01	.01	.01	.02	.02	.03	.03	.03	.02	.02		.02	.02	.02	.02	.02	.02	.02	.02	.02	.019	23	.03
21*	.02	.02	.01	.01	.02	.02	.02	.02	.03	.03	.03	.03	.03			.02	.03	.03	.03	.02	.01	.01	.01	.01	.021	22	.04
22*	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02		.02	.02	.02	.02	.02	.02	.02	.02	.02	.016	23	.02
23	.02	.01	.01	.01	.02	.03	.03	.03	.03	.03	.04	.04	.04	.05		.03	.04	.04	.03	.03	.03	.03	.03	.03	.030	23	.05
24	.02	.02	.04	.04	.04	.04	.04	.05	.05	.06	.07	.08	.05	.05		.05	.06	.05	.05	.05	.05	.06	.06	.06	.050	23	.12
25	.05	.05	.05	.04	.04	.05	.05	.05	.05	.06	.06	.06	.06	.06		.05	.07	.06	.06	.06	.07	.06	.05	.05	.055	23	.07
26	.06	.06	.05	.05	.05	.04	.05	.08	.15	.19	.13	.13	.11	.12			.06	.06	.05	.05	.05	.04	.05	.05	.076	22	.22
27	.05	.06	.05	.05	.04	.04	.05	.07	.08	.07	.06	.05	.05	.06		.05	.06	.06	.05	.05	.05	.05	.04	.04	.052	23	.08
28*	.03	.03	.02	.02	.03	.03	.03	.03	.04	.08	.09	.10	.10	.05		.04	.04	.05	.03	.03	.03	.02	.05	.03	.043	23	.12
29*	.03	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03		.02	.03	.03	.03	.03	.03	.03	.03	.03	.026	23	.03
30	.03	.03	.03	.03	.03	.03	.03	.04	.07	.07	.05	.04	.04	.05			.05	.05	.05	.05	.06	.06	.05	.04	.044	22	.10
MEAN	.03	.03	.03	.03	.03	.03	.03	.04	.05	.06	.06	.06	.05	.05		.03	.04	.04	.04	.04	.04	.03	.03	.03	.039		
NO.	30	30	30	30	30	30	30	30	30	30	29	29	30	29	1	23	29	30	30	30	30	30	30	30		680	
MAX.	.06	.06	.05	.05	.05	.05	.05	.08	.15	.19	.16	.14	.14	.12	.04	.07	.09	.08	.08	.07	.08	.07	.07	.06	.076		.22

* Indicates Saturday or Sunday
Local standard time used

TABULATED NOV.. JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-101.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
OCT. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX.
1	.04	.03	.03	.03	.04	.05	.04	.05	.05	.05	.05					.04	.05	.05	.05	.05	.05	.05	.05	.05	.045	20	.07
2	.04	.04	.03	.04	.03	.03	.04	.04	.04	.05	.05	.06	.06	.06		.04	.05	.05	.04	.04	.04	.04	.03	.03	.041	23	.06
3	.03	.03	.03	.03	.03	.03	.03	.04	.04	.05	.04	.03	.03	.03		.03	.02	.02	.02	.02	.02	.02	.02	.02	.028	23	.05
4	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03		.02	.03	.03	.03	.03	.03	.03	.04	.04	.027	23	.04
5*	.04	.04	.04	.04	.04	.04	.05	.05	.06	.07	.05	.05	.05			.04	.06	.06	.05	.05	.05	.05	.04	.04	.048	22	.07
6*	.04	.03	.04	.04	.04	.04	.04	.04	.05	.06	.06	.06	.06	.06		.05	.06	.06	.06	.05	.06	.05	.05	.06	.050	23	.07
7	.05	.05	.04	.04	.04	.04	.05	.05	.06		.06	.08	.07	.05		.04	.04	.04	.04	.03	.03	.03	.02	.02	.044	22	.09
8	.02	.02	.02	.02	.03	.03	.03	.04	.04	.05	.05	.05	.06	.06		.07	.09	.08	.08	.05	.07	.07	.06	.06	.050	23	.09
9	.06	.05	.05	.05	.07	.06	.06	.07	.09	.08	.06	.05	.06	.06		.06	.07	.07	.06	.06	.06	.06	.06	.06	.062	23	.10
10	.06	.06	.06	.06	.06	.06	.07	.08	.09	.09	.08	.06	.07	.07			.08	.08	.07	.07	.07	.07	.06	.06	.069	22	.09
11	.06	.05	.06	.06	.06	.07	.07	.09	.09	.07	.08	.07	.08	.08		.05	.07	.05	.05	.05	.04	.04	.03	.04	.061	23	.13
12*	.04	.02	.02	.02	.03	.02	.02	.02	.02	.03	.03	.03	.03	.05			.03	.04	.03	.04	.04	.04	.04	.03	.030	22	.05
13*	.03	.03	.03	.03	.03	.04	.05	.05	.05	.06	.06	.06	.05	.06		.05	.06	.06	.06	.05	.06	.05	.05	.05	.049	23	.07
14	.05	.04	.05	.05	.05	.05	.06	.07	.11	.14	.12	.13	.12	.13			.08	.07	.07	.07	.07	.06	.06	.07	.078	22	.15
15	.07	.07	.07	.07	.07	.07	.07	.09	.11	.15						.10	.11	.10	.09	.10	.10	.10	.09	.09	.088	19	.18
16	.07	.06	.06	.08	.07	.06	.08	.08	.11	.11	.13	.11	.14	.12		.10	.13	.09	.08	.08	.08	.08	.07	.08	.088	23	.16
17	.08	.06	.06	.06	.07	.06	.07	.07	.08	.07	.07	.09	.09	.08		.09	.09	.08	.08	.07	.07	.07	.06	.05	.072	23	.11
18	.05	.05	.05	.05	.05	.05	.05	.06	.06	.06	.07	.06	.08	.07		.04	.07	.06	.07	.06	.06	.06	.05	.05	.057	23	.08
19*	.05	.04	.04	.04	.04	.05	.06	.06	.06	.07	.07	.06	.06	.07			.06	.07	.06	.06	.06	.06	.06	.06	.057	22	.11
20*	.05	.05	.05	.04	.04	.03	.03	.03	.04	.04	.04	.05	.06	.06		.06	.06	.06	.05	.05	.05	.05	.06	.06	.049	23	.10
21	.05	.03	.03	.03	.03	.04	.05	.05	.05	.05	.04	.05	.06	.05		.05	.05	.05	.05	.04	.05	.05	.05	.06	.045	23	.07
22	.05	.04	.04	.05	.05	.06	.06	.06	.09	.08	.08	.08	.07				.08	.08	.08	.08	.08	.08	.08	.07	.068	21	.13
23	.08	.06	.05	.05	.05	.06	.07	.08	.09	.10	.10	.10	.08	.08		.06	.08	.08	.07	.07	.08	.08	.08	.07	.075	23	.12
24	.07	.07	.06	.06	.06	.06	.07	.07	.09	.09	.09	.08	.07	.08		.09	.10	.09	.08	.08	.08	.07	.07	.06	.075	23	.12
25	.05	.04	.04	.04	.04	.05	.05	.05	.06	.06	.06	.07	.07	.06			.07	.06	.05	.06	.06	.06	.05	.05	.054	22	.08
26*	.05	.05	.04	.03	.03	.03	.03	.04	.05	.06	.06	.05	.05	.05		.05	.06	.06	.06	.05	.04	.04	.04	.04	.046	23	.07
27*	.04	.04	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.04		.04	.05	.05	.05	.05	.05	.05	.04	.04	.039	23	.05
28	.04	.04	.04	.04	.04	.04	.04	.05	.06	.07	.06	.05	.05	.05			.05	.05	.05	.04	.04	.04	.04	.04	.046	22	.07
29	.04	.03	.03	.03	.03	.03	.03	.04	.05	.06	.06	.05	.04					.05	.05	.04	.04	.04	.05	.06	.042	20	.07
30	.07	.08	.07	.06	.05	.05	.05	.05	.06	.06	.05	.05	.04	.04		.04	.05	.05	.05	.05	.05	.05	.05	.04	.052	23	.09
31	.04	.04	.04	.04	.04	.04	.05	.05	.05	.06	.09	.10	.09	.09		.05	.06	.05	.05	.05	.04	.04	.03	.03	.053	23	.10
MEAN	.05	.04	.04	.04	.04	.04	.05	.05	.06	.07	.06	.06	.06	.06		.05	.07	.06	.06	.05	.05	.05	.05	.05	.054		
NO.	31	31	31	31	31	31	31	31	31	30	30	29	29	26		23	30	31	31	31	31	31	31	31		693	
MAX.	.08	.08	.07	.08	.07	.07	.08	.09	.11	.15	.13	.13	.14	.13		.10	.13	.10	.09	.10	.10	.10	.09	.09	.088		.18

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-102.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

CHICAGO, ILL.

NITROGEN DIOXIDE
NOV. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.03	.03	.02	.02	.02	.03	.03	.03	.04	.05	.04	.03	.03	.03		.03	.04	.04	.03	.03	.02				.031	20	.06
2*								.04	.04	.05	.05	.04	.04	.04				.04	.05	.05	.04	.04	.05	.05	.043	14	.05
3*	.05	.05	.04	.04	.05	.04	.04	.03	.04	.04	.04	.03	.03	.04		.03	.04	.04	.04	.04	.04	.04	.04	.04	.039	23	.05
4	.04	.04	.03	.04	.04	.04	.04	.05	.05	.05	.05	.05	.05	.04		.04	.06	.05	.04	.04	.04	.04	.04	.03	.042	23	.06
5	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.04	.04		.03	.04	.03	.03	.03	.03	.03	.04	.05	.035	23	.05
6	.04	.03	.03	.02	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04		.03	.04	.04	.04	.04	.03	.03	.03	.03	.031	23	.07
7	.03	.03	.05	.04	.04	.04	.05	.04	.06	.07	.07	.04	.05	.05		.06	.08	.07	.06	.05	.05	.05	.05	.04	.051	23	.10
8	.04	.04	.05	.04	.04	.04	.04	.06	.08	.07	.06	.05	.04	.04			.04	.04	.03	.03	.03	.04	.04	.05	.044	22	.09
9*	.04	.03	.04	.04	.03	.03	.03	.04	.04							.05	.06	.06	.05	.05	.04	.04	.05	.05	.042	18	.06
10*	.04	.04	.04	.03	.04	.04	.04	.05	.04	.04	.04	.03	.03	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.034	23	.05
11	.03	.02	.02	.02	.02	.03	.02	.02	.03	.03	.04	.03	.03	.03			.03	.03	.03	.03	.03	.03	.03	.03	.027	22	.04
12																											
13	.03	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03							.03	.03	.03	.03	.03	.03	.03	.026	18	.03
14	.03	.02	.02	.02	.02	.03	.03	.03	.04	.05	.04	.04	.04	.04		.05	.04	.04	.04	.04	.04	.04	.04	.04	.036	23	.05
15	.04	.03	.04	.04	.04	.04	.04	.04	.04	.04	.04	.03	.04	.04		.04	.05	.05	.04	.05	.05	.05	.05	.05	.042	23	.05
16*	.05	.04	.04	.04	.04	.04	.04	.04	.05	.05	.05	.05	.06	.06		.06	.06	.05	.05	.05	.04	.04	.04	.04	.047	23	.06
17*	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04		.04	.04	.03	.03	.03	.03	.02	.02	.02	.031	23	.07
18	.02	.02	.01	.02	.02	.02	.03	.03	.04	.04	.03	.03	.03	.03		.05	.06	.06	.06	.07	.06	.06	.06	.06	.039	23	.09
19	.06	.05	.06	.06	.06	.06	.05	.06	.07	.08	.09	.08				.05	.05	.06	.05	.05	.05	.05	.05	.04	.059	21	.10
20	.04	.05	.05	.04	.04	.04	.03	.03	.03	.03	.04	.04	.04	.04		.04	.04	.04	.03	.03	.03	.02	.02	.02	.035	23	.06
21	.02	.02	.02	.03	.03	.03	.03	.04	.04	.05	.05	.04	.05	.05		.04	.05	.05	.05	.04	.04	.03	.03	.03	.038	23	.06
22	.03	.03	.03	.03	.03	.03	.03	.04	.03	.04	.03	.03	.03	.03		.04	.04	.04	.04	.03	.04	.04	.02	.02	.032	23	.05
23*	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.04			.04	.04	.04	.04	.03	.04	.04	.04	.030	22	.04
24*	.03	.03	.03	.03	.04	.04	.04	.05	.05	.05	.04	.04	.05	.05		.06	.06	.06							.043	17	.06
25																											
26	.04	.04	.03	.03	.03	.03	.04	.04	.04	.05	.04	.04	.04	.04		.04	.05	.04	.03	.03	.03	.03	.03	.03	.036	23	.05
27	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.05	.05	.05		.05	.05	.05	.05	.05	.04	.04	.05	.05	.040	23	.06
28	.05	.05	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04		.04	.03	.03	.03	.03	.03	.03	.03	.03	.037	23	.05
29	.03	.03	.02	.02	.03	.03	.04	.04	.04	.05	.06	.05	.07	.05		.05	.04	.04	.04	.04	.04	.04	.04	.04	.040	23	.10
30*	.04	.04	.03	.03	.03	.03	.03	.03	.03	.04	.03	.03	.03	.04		.04	.04	.03	.04	.04	.04	.04	.04	.04	.035	23	.04
MEAN	.04	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.04	.04		.04	.05	.04	.04	.04	.04	.04	.04	.04	.038		
NO.	27	27	27	27	27	27	27	28	28	27	27	26	25	25		23	26	28	27	27	27	26	26	26		611	
MAX	.06	.05	.06	.06	.06	.06	.05	.06	.08	.08	.09	.08	.07	.06		.06	.08	.07	.06	.07	.06	.06	.06	.06	.059		.10

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-103.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

NITROGEN DIOXIDE
DEC. 1963

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1*	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.06	.05	.04	.04			.04	.04	.04	.04	.04	.04	.04	.04	.041	22	.08
2	.03	.03	.03	.03	.03	.03	.03	.04	.05	.05	.05	.07	.07	.05		.04	.04	.04	.04	.04	.04	.04	.04	.04	.042	23	.08
3	.04	.04	.03	.03	.03	.04	.04	.04	.05	.05	.06	.05						.03	.03	.03	.03	.03	.03	.03	.037	19	.06
4	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03		.03	.03	.03	.03	.03	.03	.02	.03	.03	.030	23	.04
5	.03	.02	.02	.03	.02	.03	.03	.03	.03	.04	.04	.04	.04	.04		.04	.04	.04	.04	.04	.04	.04	.04	.03	.034	23	.05
6	.03	.03	.03	.02	.02	.03	.03	.03	.03	.04	.04	.04	.04	.04		.05	.06	.06	.06	.06	.06	.07	.06	.06	.043	23	.07
7*	.06	.05	.05	.04	.04	.04	.03	.04	.04	.05	.05	.05	.05	.05			.06	.05	.05	.05	.05	.04	.04	.04	.045	22	.06
8*	.03	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03		.03	.03	.03	.03	.03	.02	.02	.02	.02	.025	23	.03
9	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03					.03	.04	.03	.03	.03	.03	.026	20	.04
10	.03	.03	.03	.03	.03	.03	.03	.04	.04	.05					.04	.04	.04	.04	.04	.03	.03	.03	.03	.03	.034	20	.05
11	.03	.03	.03	.03	.03	.04	.03	.03	.03	.05	.04	.03	.03			.04	.04	.04	.04	.03	.03	.04	.04	.04	.034	22	.05
12	.03	.04	.03	.03	.02	.02	.03	.03	.03	.03	.03	.03	.03			.04	.04	.04	.04	.04	.04	.03	.03	.03	.032	22	.05
13	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03			.04	.04	.03	.03	.03	.03	.04	.03	.032	22	.04
14*	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.03		.04	.04	.04	.04	.04	.04	.04	.03	.03	.033	23	.04
15*	.04	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04		.04	.05	.04	.04	.04	.04	.04	.04	.04	.036	23	.05
16	.04	.03	.03	.03	.03	.03	.04	.04	.05	.06	.06	.07	.05	.04		.05	.05	.05	.05	.05	.04	.04	.04	.04	.044	23	.07
17	.04	.04	.04	.04	.03	.05	.05	.04	.04	.04	.04	.03	.05	.04			.03	.03	.03	.03	.03	.02	.02	.02	.035	22	.06
18	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	.04			.04	.04	.04	.04	.03	.03	.03	.03	.030	22	.04
19	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04		.03	.04	.04	.04	.03	.03	.03	.03	.03	.032	23	.04
20	.04	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.03	.03	.04		.03	.04	.04	.04	.04	.04	.04	.04	.04	.036	23	.05
21*	.04	.04	.04	.04	.03	.03	.04	.04	.04	.05	.04	.04	.06	.09		.07	.06	.06	.06	.07	.08	.07	.06	.06	.052	23	.10
22*	.07	.07	.07	.05	.05	.05	.04	.05	.05	.05	.05	.06	.06	.06		.04	.06	.06	.06	.07	.07	.07	.07	.07	.058	23	.08
23	.06	.05	.05	.05	.05	.05	.05	.05	.06				.05	.06		.04	.04	.05	.05	.05	.04	.04	.04	.04	.048	20	.06
24	.04	.04	.04	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04		.04	.05	.05	.05	.05	.05	.05	.04	.04	.039	23	.05
25	.04	.03	.03	.03	.03	.04	.04	.04	.04	.04	.06	.06	.05	.05			.04	.04	.05	.06	.06	.05	.05	.05	.043	22	.06
26	.04	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03		.03	.04		.02	.03	.03	.03	.03	.03	.03	.03	.03	.031	22	.05
27	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03		.03	.04	.04	.04	.04	.04	.04	.04	.04	.034	23	.04
28*	.04	.04	.03	.03	.03	.04	.04	.04	.04	.05	.04	.04	.04	.04		.03	.04	.04	.04	.04	.04	.03	.03	.03	.039	23	.05
29*	.03	.03	.02	.03	.03	.03	.03	.04	.04	.04	.03	.04	.04	.04		.03	.04	.04	.04	.04	.04	.04	.04	.04	.036	23	.04
30	.04	.03	.03	.03	.03	.04	.04	.04	.05	.05	.05	.05	.04	.05		.04	.05	.05	.05	.05	.05	.06	.06	.06	.045	23	.06
31	.06	.06	.06	.06	.06	.07	.07	.07	.07	.08	.07	.07	.07	.10		.06	.06	.06	.06	.06	.06	.06	.07	.06	.064	23	.11
MEAN	.04	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.04	.04	1	.04	.04	.04	.04	.04	.04	.04	.04	.04	.038		
NO	31	31	31	31	31	31	31	31	31	30	29	28	29	27		23	29	30	31	31	31	31	31	31		691	
MAX	.07	.07	.07	.06	.04	.07	.07	.07	.07	.08	.07	.07	.07	.10	.04	.07	.06	.06	.06	.07	.08	.07	.07	.07	.064		.11

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-104.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

CHICAGO, ILL.

SULFUR DIOXIDE
JAN. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1	.26	.29	.49	.27	.29	.31	.25	.19	.35	.58	.36	.27	.26	.35	.26	.31	.32	.31	.27	.33	.37	.41	.57	.36	.334	24	.67
2	.34	.28	.23	.29	.31	.39	.43	.44	.35		.28	.26	.23	.21	.20	.22	.20	.17	.16	.17	.16	.34	.41	.26	.274	23	.61
3	.33	.34	.33	.33	.36	.39	.38	.39	.33	.34	.40	.27	.18	.18	.17	.17	.23	.21	.21	.21	.13	.14	.14	.22	.264	24	.48
4	.19	.26	.30	.28	.34	.40	.43	.27	.27	.12	.08	.09	.10	.15	.08	.06	.07	.06	.09	.11	.12	.11	.09	.07	.172	24	.61
5*	.19	.20	.21	.19	.14	.28	.26	.36	.28							.19	.24	.24	.29	.29	.26	.18	.18	.17	.228	18	.40
6*	.19	.19	.17	.19	.13	.11	.12	.20	.14	.18	.22	.22	.18	.16	.14	.25	.18	.16	.18	.12	.13	.12	.14	.13	.163	24	.31
7	.20	.25	.29	.27	.28	.28	.30	.37	.32	.30	.29	.34	.31	.22	.21	.21	.18	.14	.15	.25	.25	.26	.25	.22	.254	24	.52
8	.22	.24	.32	.45	.41	.41	.41	.36	.34		.63	.44	.51	.42	.27	.15	.15	.16	.18	.16	.18	.34	.32	.43	.326	23	.75
9	.47	.28	.23	.35	.48	.25	.41	.41	.39	.34	.29	.32	.32	.23	.26	.19	.18	.13	.16	.15	.12	.06	.03	.02	.252	24	.55
10	.05	.09	.13	.14	.14	.18	.20	.22	.21	.19	.19	.19	.17	.17	.16	.17	.16	.15	.11	.09	.13	.11	.09	.08	.148	24	.25
11							.09	.08	.10	.11	.09	.10	.13	.14	.12	.12	.13	.12	.08	.07	.06	.04	.03	.04	.091	18	.16
12*	.05	.09	.13	.19	.28	.35	.38	.44	.20	.18			.21	.21	.14	.14	.13	.15	.18	.18	.18	.17	.19	.18	.197	22	.56
13*	.20	.20	.20	.21	.22	.18	.19	.18	.22	.27	.46	.26	.25	.31	.40	.24	.40	.35	.31	.27	.34	.25	.27	.32	.270	24	.65
14	.29	.36	.40	.31	.26	.28	.26	.22	.18	.21	.19							.24	.19	.19	.17	.19	.17	.18	.239	18	.55
15	.17	.18	.19	.27	.37	.33	.29	.31							.38	.33	.35	.36	.42	.37	.46	.55	.58	.44	.351	18	.97
16	.44		.53		.67	.83	.71	.65	.67	.60	.67	.61	.67	.31	.57	.67	.55	.56					.32	.26	.571	18	1.57
17	.30	.30	.33	.36	.45				.28	.20	.21	.37	.36		.40	.52	.41	.26	.54	.48	.43	.39	.50	.54	.381	20	.70
18	.54	.45	.59	.63	.30	.40	.37	.47				.43	.30	.29	.26	.27	.24	.33	.38	.43	.46	.49	.46	.44	.405	21	.95
19*	.40	.49	.43	.24	.44	.58	.70	.21	.19	.23	.22		.25	.28	.32		.53	.49	.42	.41	.31	.30	.21		.363	21	.81
20*	.41			.27			.41	.49	.28	.43	.24	.23	.13	.16				.18	.20	.19	.13	.18	.16	.19	.250	17	.77
21	.20	.24			.24	.29			.50			.63	.72			.51	.56	.28	.19	.21	.23	.25	.21	.20	.340	16	.90
22	.44	.61		.52		.36	.36	.55	.54	.53						.45	.53	.50	.51	.45	.44	.39	.41	.37	.467	17	.70
23	.37	.39	.36	.33	.36	.38	.37	.36	.35	.32	.26	.24	.23	.20	.24	.28	.33	.30	.32	.32	.32	.29	.32	.39	.317	24	.48
24	.39	.43	.43	.36	.40	.47	.48	.47	.44	.41	.40	.34	.31	.32	.29	.28	.32	.43	.31	.33	.34	.49	.45	.28	.381	24	.58
25	.43	.35	.36	.42	.70	.60	.83	.68	.61	.74	.80	.83	1.36	.88	.69	1.03	.78	.81	.86	.75	.66	.69	.77	.51	.714	24	1.61
26*	.72	.61	.54	.54	.53	.54	.55	.62	.63				.50	.44	.46	.49	.46	.45	.47	.34	.42	.34	.35	.37	.492	21	.85
27*	.28	.24	.25	.23	.26	.25	.26	.27	.25	.25	.27	.24	.20	.21	.23	.18	.22	.35	.35	.27	.30	.28	.26	.29	.256	24	.49
28	.30	.37	.40	.44	.55	.78	.87	.88	.98	.98	.78	.93	.65	.64	.34	.31	.31	.29	.37	.37	.36	.27	.30	.30	.531	24	1.23
29	.37											.58	.68	.75	.67	.82	.85	.55	.52	.39	.36	.32	.55	.57	.569	14	1.25
30	.43	.40	.41	.44	.52	.46	.57	.48	.47	.45	.40	.30	.29	.26	.28	.30	.32	.30	.31	.25	.23	.24	.27	.31	.361	24	.68
31																											
MEAN	.31	.31	.33	.32	.36	.39	.40	.39	.36	.36	.35	.37	.36	.31	.30	.33	.33	.30	.30	.28	.28	.28	.30	.28	.266		
NO	29	26	25	26	26	26	27	27	27	22	22	23	26	24	25	27	28	30	29	29	29	29	30	29		641	
MAX	.72	.61	.59	.63	.70	.83	.87	.88	.98	.98	.80	.93	1.36	.88	.69	1.03	.85	.81	.86	.75	.66	.69	.77	.57	.714		1.61

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-105.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
FEB. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1																											
2*	.43	.36	.27	.31	.24	.35	.37	.33	.36	.37	.32	.31	.29	.28	.24	.21	.19	.19	.20	.20	.26	.28	.30	.28	.289	24	.51
3*	.29	.28	.30	.31	.33	.34	.41	.42	.28	.26	.28	.36	.25	.30	.43	.62	.29	.30	.29	.27	.22	.20		.20	.315	23	.96
4	.23	.23	.24	.29	.44	.33	.42	.44	.88	.81								.44	.52	.49	.64	.45	.37	.52	.454	17	1.20
5	.44	.43	.28	.26	.20	.28	.31	.20	.15	.18	.10	.05	.13	.12	.14	.21	.17		.08	.19	.54	.46	.54	.37	.253	23	.91
6	.40	.46	.45	.29	.39	.51	.58	.52	.51					.35	.23	.20	.23	.22	.18	.18	.18	.15	.14	.11	.313	20	.78
7	.10	.11	.10	.11	.14	.22	.25	.33	.28	.24	.33	.27	.25	.30	.29	.31	.31	.27	.28	.25	.21	.19	.13	.08	.222	24	.42
8	.04	.03	.03	.05	.04	.07	.06	.08	.10	.11	.10	.12	.13	.16	.15	.15	.14	.13	.08	.07	.09	.08	.07	.05	.087	24	.22
9*	.11	.12	.12	.15	.16	.29	.41	.32	.60	.59	.57	.46	.56	.61	.85	.59	.35	.28	.33	.29	.44	.74	.92	.69	.438	24	1.41
10*	.42	.24	.26	.32	.14	.12	.13	.13	.13	.43	.30	.19	.15	.10	.08	.18	.18	.17	.27	.25	.22	.22	.23	.18	.211	24	.70
11	.33	.35	.36	.42	.41	.48	.54	.56	.45	.36						.13	.13	.13	.11	.20	.22	.22	.27	.16	.306	19	.61
12	.22	.19	.23	.31	.43	.51	.66	.83	.79	.82	.80	.63	.59	.68	.31	.24	.20	.17	.24	.31	.21	.19	.27	.22	.418	24	1.16
13	.24	.30	.33	.30	.31	.40	.49	.55	.43	.34			.19	.22	.21	.24	.33	.20	.21	.20	.22	.24	.15	.12	.282	22	.58
14	.14	.15	.12	.19	.21	.25	.33	.35	.30	.29		.20	.21	.22	.21	.18	.22	.19	.19	.23	.27	.31	.26	.27	.230	23	.50
15	.29	.32	.34	.37	.40	.49	.52	.40	.38	.52	.42	.32	.34	.34	.21	.15	.20	.15	.16	.20	.18	.16	.28	.33	.310	24	.60
16*	.40	.39	.35	.40	.37	.36	.41	.34	.25	.23	.17	.15	.14	.14	.13	.13	.17	.13	.13	.15	.16	.20	.33	.61	.258	24	.81
17*	.38	.19	.24	.27	.36	.46	.43	.44	.45	.38	.39	.37	.29	.36	.39	.31	.16	.26	.42	.48	.36	.27	.41	.31	.348	24	.59
18	.37	.39	.43	.51	.44	.41	.41	.38	.37	.40	.38	.45	.47	.55	.41	.43	.45	.31	.26	.39	.49	.60	.65	.34	.427	24	.89
19	.25	.24	.22	.12	.07	.07	.06	.18	.44	.43	.34	.27	.29	.24	.18				.09	.08	.08	.09	.07	.12	.186	21	.57
20	.09	.08	.07	.09	.11	.14	.16	.21	.21	.21	.15	.16	.17	.14	.16	.19	.25	.19	.17	.15	.16	.15	.19	.16	.155	24	.33
21	.20	.22	.21	.18	.16	.20	.24	.23	.24	.20				.23	.15	.17	.13	.13	.11	.13	.11	.12	.14	.18	.174	21	.34
22	.17	.20	.36	.30	.30	.33	.50	.66	.65	.48	.48	.44	.33	.21	.18	.21	.20	.24	.36	.35	.40	.22	.19	.18	.330	24	.86
23*	.19	.40	.34	.52	.57	.52	.36	.52	.78	.78	.58	.38	.29	.28	.26	.18	.13	.07	.08	.10	.14	.21	.21	.30	.342	24	1.04
24*	.29	.27	.27	.27	.26	.26	.27	.35	.31	.29	.26	.19	.23	.15	.19	.17	.23	.34	.27	.30	.37	.51	.27	.29	.275	24	.58
25	.29	.19	.19	.25	.34	.26	.30	.31	.31	.32			.24	.20	.25	.29	.26	.24	.25	.25	.34	.32	.37	.36	.278	22	.48
26	.41	.45	.51	.54	.54	.59	.56	.52	.51	.70	.39	.26	.38	.30	.30	.36	.62	.77	.33	.40	.46	.48	.29	.29	.456	24	.95
27	.39	.46	.46	.55	.39	.39	.32	.30	.28	.23	.27	.18				.22	.19	.18	.18	.22	.34	.36	.48	.29	.318	21	.73
28	.25	.23	.18	.19	.20	.29	.34	.29	.26	.24	.22	.22	.18	.23	.20	.18	.20	.17	.18	.19	.16	.10	.04	.02	.197	24	.39
MEAN	.27	.27	.27	.29	.29	.33	.36	.38	.40	.39	.34	.28	.28	.28	.26	.25	.24	.23	.22	.24	.28	.28	.29	.26	.226		
NO.	27	27	27	27	27	27	27	27	27	26	20	21	22	24	24	25	25	25	27	27	27	27	26	27		616	
MAX.	.44	.46	.51	.55	.57	.59	.66	.83	.88	.82	.80	.63	.59	.68	.85	.62	.62	.77	.52	.49	.64	.74	.92	.69	.456		1.41

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-106.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
MARCH 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1	.01	.01	.08	.07	.08	.14	.17	.23	.19	.15	.10		.26	.28	.31	.28	.29	.24	.18	.06	.17	.37	.35	.37	.189	23	.49
2*	.42	.61	.53	.54	.46	.62	.75	.75	.85	.65	.44	.37	.30	.29	.28	.20	.18	.19	.18	.22	.21	.26	.41	.28	.415	24	.97
3*	.33	.29	.27	.24	.22	.26	.31	.30	.29	.12	.14	.15	.12	.11	.11	.09	.07	.05	.05	.06	.06	.06	.06	.06	.158	24	.43
4	.05	.05	.09	.12	.05	.06	.13	.33	.36	.32	.38	.40	.32	.28	.29	.28	.29	.22	.22	.18	.17	.16	.14	.13	.207	24	.51
5	.14	.13	.13	.14	.16	.13	.14	.18	.20				.15	.20	.16	.14	.07	.08	.09	.11	.23	.27	.25	.24	.158	21	.43
6																											
7																											
8	.04	.05	.05	.06	.07	.14	.15	.21	.33	.26	.22	.17	.11	.15	.09	.03	.02	.06	.05	.05	.05	.07	.08	.10	.108	24	.41
9*	.09	.09	.09	.09	.08	.09	.07	.05	.05	.03	.02	.02	.03	.03				.12	.15	.08	.12	.13	.07	.06	.074	21	.19
10*	.06	.06	.07	.09	.09	.10	.13	.16	.16	.13	.12	.10	.06	.04	.03	.03	.02	.01	.01	.01	.02	.03	.05	.06	.068	24	.22
11	.04	.03	.02	.02	.02	.02	.03	.04	.04	.03	.02	.02	.02		.02	.04	.07	.08	.12	.11	.05	.06	.11	.30	.056	23	.43
12	.34	.33	.43	.43	.28	.43	.53	.21	.22	.43	.31	.52	.37	.40	.31	.35	.31	.28	.27	.27	.21	.22	.16	.15	.322	24	.89
13	.16	.15	.16	.20	.22	.28	.30	.28	.27	.27	.26	.23	.22	.21	.27	.25	.26	.34	.27	.34	.42	.54	.51	.63	.293	24	.86
14	.65	.68	.55	.54	.47	.45	.49	.49	.46	.43	.26	.21	.26	.36	.08	.04	.06	.13	.16	.13	.10	.06	.11	.43	.315	24	.91
15	.44	.30	.33	.33	.37	.46	.67	.63	.33	.16	.16	.14	.12	.11	.13	.13	.10	.11	.13	.19	.14	.13	.18	.21	.250	24	.90
16*	.19	.14	.11	.16	.17	.21	.23	.23	.24	.25	.19	.15	.18	.17	.16	.14	.13	.13	.10	.08	.09	.12	.22	.12	.162	24	.32
17*	.19	.20	.23	.08	.08	.08	.08	.12	.15	.13	.07	.16	.15	.11	.15	.20	.22	.12	.11	.11	.14	.17	.19	.22	.142	24	.42
18	.17	.11	.13	.12	.09	.13	.16	.18	.17	.18	.13			.13	.16	.18	.17	.15	.11	.11	.13	.04	.01	.01	.126	22	.22
19	.00	.00	.00	.00	.00	.00	.01	.03	.03	.06		.27	.25	.29	.11	.09	.08	.08	.05	.03	.03	.04	.04	.05	.067	23	.59
20	.04	.04	.06	.07	.08	.15	.20	.15	.15	.11	.12	.13	.14	.13	.10	.11	.11	.10	.07	.09	.07	.11	.13	.14	.108	24	.25
21	.12	.12	.14	.14	.16	.24	.30	.31	.31	.31	.25	.25	.23	.22	.18	.20	.22	.18	.15	.19	.18	.22	.25	.22	.213	24	.40
22	.19	.22	.23	.20	.23	.18	.31	.45	.16	.09	.07	.03	.01	.00	.01	.04	.02	.02	.03	.26	.23	.21	.24	.21	.152	24	.62
23*	.17	.16	.16	.16	.22	.22	.29	.55	.58	.29	.27	.28	.32	.25	.16	.19	.24	.40	.46	.67	.59	.68	.45	.49	.344	24	.79
24*	.30	.20	.21	.21	.35	.34	.32	.26	.35	.16	.09	.13	.08	.08	.23	.20	.19	.33	.12	.15	.33	.39	.43	.40	.243	24	.55
25	.15	.14	.15	.15	.14	.29	.28	.32	.60	.34			.15	.06	.06	.03	.03	.03	.02	.02	.05	.15	.14	.19	.158	22	.80
26	.14	.05	.02	.02	.04							.18	.20	.20	.18	.19	.16	.10	.09	.12	.16	.32	.26	.25	.149	18	.37
27	.26	.22	.25	.33	.26	.43	.53	.45	.35	.33	.18	.10	.06	.13	.09	.09	.05	.05	.04	.10	.09	.33	.26	.17	.214	24	.63
28	.13	.04	.04	.06	.06	.12	.13	.15	.11	.10	.06	.03	.10	.15	.13	.16	.15	.18	.18	.18	.18	.10	.11	.10	.114	24	.24
29	.13	.08	.07	.07	.08	.10	.10	.08	.05	.03	.03	.07	.22	.33	.23	.20	.21	.23	.04	.22	.12	.05	.06	.08	.120	24	.50
30*	.11	.07	.08	.10	.11	.11	.25	.34	.25	.03	.07	.02	.02	.02			.01	.01	.00	.00	.00	.00	.00	.00	.073	22	.39
31*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.03	.07	.10	.09	.012	24	.12
MEAN	.17	.16	.16	.16	.16	.21	.25	.27	.26	.20	.16	.17	.16	.17	.15	.14	.13	.14	.12	.14	.15	.18	.18	.20	.174		
NO	29	29	29	29	29	28	28	28	28	27	25	25	28	28	27	27	28	29	29	29	29	29	29	29		675	
MAX.	.65	.68	.55	.54	.47	.62	.75	.75	.85	.65	.44	.52	.37	.40	.31	.35	.31	.40	.46	.67	.59	.68	.51	.63	.415		.97

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-107.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
APRIL 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX.
1	.09	.09	.09	.10	.10	.14	.22	.27	.29	.35	.19	.32	.27	.08	.15	.03	.03	.03	.04	.05	.05	.10	.16	.20	.143	24	.59
2	.21	.05	.07	.09	.08	.09	.15	.17	.16	.29	.19	.10	.10	.19	.22	.13		.18	.08	.10	.09	.08	.05	.09	.129	23	.50
3	.14	.09	.17	.20	.20	.25	.27	.14	.47	.24	.08	.04	.14	.10		.07	.02	.02	.02	.03	.02	.01	.01	.01	.118	23	.74
4	.02	.02	.03	.04	.05	.09	.15	.17	.13	.15	.15	.09	.06	.06	.03	.04	.07	.06	.08	.06	.11	.13	.13	.20	.088	24	.26
5	.19	.16	.19	.24	.30	.38	.55	.66	.54	.22	.20	.10	.17	.13	.10	.24	.20	.16	.20	.12	.07	.10	.28	.18	.235	24	.99
6*	.19	.24	.15	.18	.21	.34	.52	.22	.16	.10	.07	.06	.05	.05			.04	.05	.04	.03	.08	.06	.00	.01	.128	22	.58
7*	.01	.01	.01	.05	.02	.03	.05	.05	.02	.02	.02	.05	.09	.06	.04	.05	.04	.05	.04	.04	.04	.05	.07	.07	.040	24	.11
8	.06	.06	.01	.00	.00	.00	.02	.02	.04	.06	.07	.07	.04	.04	.07	.05	.05	.04	.04	.03	.04	.04	.02	.03	.038	24	.11
9	.02	.02	.01	.02	.03	.05	.09	.08	.07							.05	.07	.06	.06	.06	.04	.04	.04	.03	.046	18	.13
10	.03	.02	.01	.02	.03	.05	.08	.10	.11	.09	.08	.10	.10	.10	.08	.09	.09	.11	.10	.05	.06	.14	.24	.28	.090	24	.30
11	.19	.16	.11	.06	.05	.06	.09	.13	.13	.14	.11	.08	.06	.07	.07	.07	.06	.09	.08	.07	.05	.05	.06	.03	.084	24	.24
12	.02	.07	.10	.09	.14	.22	.28	.50	.29	.11					.00	.00	.01	.00	.04	.13	.11	.05	.05	.12	.116	20	.62
13*	.15	.07	.07	.09	.08	.12	.19	.18	.12	.11		.12	.11	.10	.04	.05	.06	.10	.09	.08	.09	.06	.14	.25	.106	23	.29
14*	.28	.19	.23	.29	.27	.42	.45	.23	.14	.06	.04	.04	.06	.03	.02	.01	.01	.01	.01	.00	.02	.06	.16	.26	.136	24	.69
15	.33	.21	.22	.27	.27	.31	.34	.30	.14	.12	.19	.08	.05	.03	.04	.03	.05	.06	.07	.10	.09	.08	.07	.05	.145	24	.57
16	.04	.03	.04	.04	.04	.06	.09	.10	.08	.07	.05						.14	.20	.16	.04	.06	.06	.07	.06	.073	19	.34
17	.05	.08	.11	.06	.04	.08	.22	.18	.09	.07	.05	.03			.15	.07	.12	.12	.05	.07	.06	.06	.05	.02	.084	22	.34
18	.01	.01	.02	.01	.02	.04	.06	.05	.08	.06	.06	.08	.10	.08		.04	.10	.14	.12	.08	.07	.09	.08	.08	.063	23	.19
19	.10	.22	.33	.16	.22	.20	.21	.18	.32	.19	.48	.31	.28	.15	.07	.04			.04	.05	.04	.01	.02	.02	.166	22	.70
20*	.04	.04	.03	.02	.03	.09	.11	.09	.06	.05	.04	.05	.08	.12	.09	.11	.16	.23	.18	.11	.10	.07	.10	.08	.086	24	.29
21*	.07	.04	.06	.01	.01	.02	.05	.05	.05	.03	.05	.01	.01	.00	.01	.00	.01	.01	.01	.01					.025	20	.18
22											.08	.07	.07	.08	.06	.05	.04	.04	.04	.05	.05	.04	.04	.05	.053	14	.11
23	.04	.05	.08	.12	.12	.13	.19	.24	.18	.18	.17	.14	.18	.18	.14	.15	.15	.14	.17	.17	.11	.11	.11	.10	.137	24	.31
24	.12	.12	.13	.14	.13	.17	.23	.24	.16	.11	.09	.05	.04	.04	.05	.03	.02	.02	.01	.03	.04	.05	.05	.08	.089	24	.36
25	.30	.28	.21	.35	.38	.31	.35	.47	.25	.15	.13	.09	.10	.08	.14	.16	.13	.13	.13	.07	.08	.08	.04	.02	.188	24	.56
26	.03	.03	.04	.04	.07	.05	.25	.45	.39	.33	.17	.06	.05	.04	.07	.05	.04	.05	.04	.11	.11	.05	.04	.05	.108	24	.65
27*	.05	.12	.17	.10	.09	.08	.18	.20	.11	.05			.02	.02	.01	.02	.02	.02	.01	.01	.01	.01	.02	.01	.060	22	.34
28*	.01	.02	.01	.00	.01	.02	.01	.00	.01	.04	.04	.02	.00	.02	.03	.02	.02	.01	.00	.00	.00	.01	.00	.00	.012	24	.07
29	.00	.00	.01	.04	.04	.06	.11	.07	.08	.09	.08	.08	.10	.07	.08	.08	.08	.06	.02	.02	.04	.06	.02	.04	.052	24	.16
30	.00	.00	.02	.07	.06	.10	.16	.17	.19	.17	.12	.10	.08	.08	.06	.07	.05	.06	.07	.04	.05	.05	.03	.02	.073	24	.22
MEAN	.10	.09	.09	.10	.11	.14	.19	.20	.17	.13	.11	.09	.09	.08	.07	.06	.07	.08	.07	.06	.06	.06	.07	.08	.098		
NO.	29	29	29	29	29	29	29	29	29	28	26	26	26	26	25	28	28	29	30	30	29	29	29	29		679	
MAX	.33	.28	.33	.35	.38	.42	.55	.66	.54	.35	.48	.32	.28	.19	.22	.24	.20	.23	.20	.17	.11	.14	.28	.28	.235		.99

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-108.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
MAY 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN. MAX.
1	.03	.03	.03	.04	.05	.07	.06	.06									.03	.01	.03	.09	.19	.13	.11	.09	.064	16	.31
2	.08	.14	.14	.24	.19	.18	.21	.19	.28	.15	.20	.07	.05	.04	.05	.04	.04	.03	.04	.05	.06	.06	.07	.22	.118	24	.63
3	.28	.21	.18	.14	.39	.52	.71	.73	.44	.14	.18	.13	.14	.12	.13	.11	.22	.22	.31	.22	.14	.21	.15	.13	.257	24	.90
4*	.13	.14	.16	.18	.22	.21	.30	.23	.16	.17			.14	.08	.04	.04	.03	.02	.02	.02	.03	.02	.02	.03	.108	22	.43
5*	.03	.02	.02	.02	.02	.03	.03	.04	.05	.03	.04	.03	.03	.03	.03	.06	.05	.04	.04	.04	.04	.04	.07	.08	.037	24	.11
6	.07	.09	.15	.08	.12	.16	.26	.28	.26	.20	.14	.05	.11	.14	.06	.14	.15	.06	.04	.03	.03	.09	.31	.43	.143	24	.48
7	.35	.28	.26	.22	.26	.34	.42	.49	.29	.19	.27	.25	.18	.22	.23	.21	.21	.18	.15	.41	.37	.12	.13	.10	.255	24	.67
8	.10	.10	.11	.12	.13	.11	.09	.09	.07	.09	.09	.08	.09	.10	.10		.07	.03	.13	.32	.23	.17	.33	.20	.127	23	.47
9	.08	.05	.13	.25	.29	.24	.33	.15	.11	.14	.20	.12	.09		.05	.03	.03	.04	.03	.02	.03	.03	.10	.07	.112	23	.54
10	.07	.05	.09	.15	.03	.02	.02	.08	.03	.07	.05	.02	.03	.03	.04	.03	.05	.05	.04	.05	.05	.04	.04	.03	.048	24	.29
11*	.03	.03	.03	.03	.04	.06	.09	.10	.07	.04	.04	.04	.06	.04	.04	.04	.02	.03	.04	.03	.01	.00	.00	.01	.037	24	.13
12*	.00	.00	.00	.00	.01	.00	.00	.00	.01	.01	.01	.02	.02	.01	.01	.01	.01	.03	.03	.04	.03	.01	.01	.06	.013	24	.10
13	.07	.04	.09	.10	.11	.18	.15	.32	.23	.19	.05	.05					.03	.03	.04	.05	.07	.04	.02	.03	.093	20	.65
14	.04	.11	.11	.08	.07	.06	.07	.05	.03	.03	.03	.03	.05	.02	.02	.04	.06	.04	.03	.06	.07	.07	.02	.01	.049	24	.18
15	.01	.01	.01	.01	.04	.08	.15	.16	.17	.12	.11	.04	.03	.03	.06	.09	.10	.13	.09	.10	.07	.06	.06	.03	.072	24	.23
16	.04	.05	.04	.04	.12	.12	.10	.09	.11	.08	.08	.07	.08					.10	.06	.09	.08	.06	.11	.08	.080	20	.14
17	.09	.03	.02	.02	.02	.03	.07	.06	.07	.10	.07	.06	.06	.09	.08	.08	.06	.05	.11	.07	.05	.06	.15	.18	.069	24	.26
18*	.27	.19	.25	.17	.13	.11	.13	.07	.04		.03	.04	.05	.03	.03	.03	.02	.02	.02	.03	.04	.05	.06	.04	.077	23	.35
19*	.06	.05	.06	.08	.13	.19	.23	.27	.12	.12	.25	.17	.13	.07	.03	.03	.03	.02	.03	.04	.05	.06	.06	.04	.096	24	.37
20	.07	.03	.03	.08	.13	.13	.21	.14	.09	.07	.08	.06	.06	.05			.13	.13	.27	.10	.15	.32	.18	.19	.121	22	.48
21	.23	.21	.02	.03	.04	.32	.28	.19	.10	.07		.05	.05	.08	.06	.04	.03	.02	.02	.05	.08	.06	.05	.05	.093	23	.48
22	.05	.05	.06	.06	.08	.13	.15	.17	.12	.09	.10	.10	.08	.08	.08	.05	.04	.06	.07	.05	.08	.09	.09	.07	.082	24	.20
23	.08	.11	.18	.26	.49	.51	.35	.16	.13	.08	.05	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.105	24	.65
24	.01	.04	.23	.28	.45	.34	.19	.10	.05	.07	.03	.01	.01	.02	.01	.01	.03	.03	.02	.03	.02	.02	.01	.01	.085	24	.53
25*	.02	.02	.08	.12	.29	.26	.16	.12	.11	.14	.13	.14	.08	.06	.05	.04	.03	.02	.02	.01	.01	.01	.01	.01	.081	24	.41
26*	.01	.01	.04	.05	.03	.03	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.01	.01	.02	.01	.014	24	.08
27	.01	.01	.01	.01	.02	.02	.06	.04	.04	.04	.03	.03	.04	.10	.09	.07	.06	.06	.04	.03	.05	.08	.07	.05	.043	24	.12
28	.04	.04	.03	.06	.07	.10	.16	.19	.15	.11				.07	.05	.04	.06	.10	.09	.09	.13	.14	.14	.12	.093	21	.30
29	.09	.07	.08	.08	.11	.14	.12	.12	.07	.04	.03	.03	.02	.01	.04	.04	.08	.06	.03	.00	.01	.01	.02	.04	.054	24	.17
30	.08	.11	.10	.28	.30	.29	.19	.18	.11	.08	.03	.05	.06	.05	.05	.04	.02	.03	.02	.03	.02	.01	.01	.01	.088	24	.39
31	.02	.25	.27	.14	.13	.11	.09	.06	.03	.02	.03	.04	.01	.00	.01	.01	.01	.01	.01	.01	.02	.09	.15	.12	.067	24	.40
MEAN	.08	.08	.10	.11	.14	.16	.17	.16	.12	.09	.09	.06	.06	.06	.05	.05	.06	.05	.06	.07	.07	.07	.08	.08	.090		
NO	31	31	31	31	31	31	31	31	30	29	27	28	28	27	27	26	30	31	31	31	31	31	31	31		717	
MAX	.35	.28	.27	.28	.49	.52	.71	.73	.44	.20	.27	.25	.18	.22	.23	.21	.22	.22	.31	.41	.37	.32	.33	.43	.257		.90

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-109.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
JUNE 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1*	.10	.10	.11	.07	.04	.06	.05	.05	.04	.05	.04	.03	.02	.02	.01	.01	.00	.02	.01	.02	.12	.11	.03	.05	.048	24	.26
2*	.05	.04	.05	.05	.05	.05	.12	.05	.05	.10	.03	.05	.05	.01	.01	.01	.01	.00	.01	.01	.03	.03	.03	.02	.038	24	.20
3	.04	.06	.06	.05	.09	.11	.13	.08	.06	.12	.10	.11	.11	.07	.03	.01	.01	.00	.01	.01	.01	.01	.02	.04	.054	24	.19
4	.05	.03	.03	.03	.01	.01	.06	.03	.04	.03	.02	.01	.01				.02	.03	.04	.00	.00	.02	.03	.01	.023	21	.11
5	.02	.19	.38	.28	.17	.12	.07	.05	.05	.03	.03	.04	.05	.10	.10	.09	.34	.23	.19	.34	.19	.12	.16	.18	.145	24	.51
6	.17	.28	.16	.28	.40	.43	.44	.44	.35	.17	.07	.04	.05	.10	.08	.10	.11	.06	.02	.04	.06	.05	.04	.02	.163	24	.55
7	.02	.03	.04	.03	.03	.04	.05	.11	.09	.06	.04	.06	.05	.04	.04	.03	.02	.02	.05	.03	.02	.03	.06	.07	.043	24	.14
8*	.02	.07	.14	.13	.18	.13	.05	.10	.02	.04	.06	.04	.05	.04	.04	.03	.05	.01	.01	.01	.01	.02	.01	.00	.053	24	.26
9*	.00	.00	.07	.05	.06	.04	.06	.10	.06	.03	.02	.01	.01	.01	.03	.04	.04	.03		.01	.03	.05	.11	.05	.039	23	.18
10	.11	.13	.13	.12	.07	.11	.26	.29	.27	.14	.06	.08	.07	.04	.06	.22	.09								.131	17	.44
11																											
12	.02	.02	.02	.03	.02	.04	.06	.07	.05	.03	.04	.03	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00			.019	22	.09
13			.25	.13	.08	.09	.11	.10	.04	.03	.03	.03	.04	.04	.18	.16	.09	.00	.01	.04	.03	.05	.04	.03	.073	22	.40
14	.02	.04	.04	.05	.03	.01	.02	.02	.03	.04	.04	.04	.03	.03	.03	.02	.02	.03	.02	.03	.05	.05	.05	.06	.033	24	.10
15*	.04	.04	.05	.03	.05	.03	.03	.04	.05	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.06	.019	24	.10
16*	.11	.16	.28	.27	.24	.23	.15	.05	.01	.01	.02	.02	.02	.01	.01	.01	.01	.01	.02	.03	.04	.05	.07	.08	.079	24	.37
17	.06	.06	.07	.05	.07	.11	.10	.11	.09	.11	.05	.02	.01	.01	.00	.01	.01	.00	.01	.01	.06	.15	.17	.17	.063	24	.18
18	.15	.13	.13	.11	.08	.09	.08	.04	.03	.03	.03	.04	.05	.06	.07	.09	.06	.05	.03	.03	.03	.05	.09	.06	.067	24	.17
19	.18	.17	.14	.17	.16	.13	.39	.38	.38	.34	.26	.17	.19	.17	.06	.10	.10	.08	.05	.16	.07	.12	.10	.13	.174	24	.60
20	.07	.05	.03	.02	.02	.02	.03	.04	.04	.05	.04	.04	.04	.04	.07	.03	.01	.01	.01	.01	.01	.01	.02	.02	.029	24	.16
21	.01	.01	.01	.01	.02	.04	.08	.08	.05	.03	.03	.03	.03	.04	.03	.05	.06	.08	.03	.02	.01	.01	.01	.02	.032	24	.14
22*	.04	.07	.07	.04	.01	.02	.02	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.04	.06	.03	.01	.01	.02	.01	.025	24	.13
23*	.01	.01	.01	.01	.01	.01	.02	.09	.14	.08	.08	.02	.02	.02	.02	.03	.03	.02	.02	.02	.02	.02	.02	.01	.031	24	.19
24	.01	.02	.01	.01	.02	.05	.09	.12	.12	.13	.14			.05	.06	.05	.04	.05	.05	.04	.03	.03	.03	.02	.052	22	.16
25	.02	.02	.02	.07	.07	.12	.17	.20	.14	.08	.07	.09	.11	.11	.09	.11	.09	.06	.04	.02	.03	.03	.04	.07	.078	24	.35
26	.13	.19	.17									.10	.16	.12	.13	.14	.19	.10	.14	.12	.07	.07	.09	.09	.124	16	.29
27	.10	.10	.15	.46	.14	.11	.12	.12	.32	.27	.13	.07	.11	.08	.08	.13	.12	.13	.09	.02	.03	.03	.11	.08	.127	24	1.07
28	.18	.15	.12	.03	.05	.06	.04	.04	.10			.04	.02	.02	.02	.02	.01	.01	.02	.01	.04	.04	.04	.03	.049	22	.27
29*	.03	.05	.06	.06	.05	.03	.06	.06	.06	.04	.03	.03	.08	.05	.04	.09	.07	.07	.04	.05	.09	.09	.05	.02	.054	24	.14
30*	.01	.01	.00	.01	.08	.09	.05	.06	.04	.02	.04	.05	.08	.09	.10	.05	.08	.10	.04	.02	.01	.01	.01	.01	.045	24	.15
MEAN	.06	.08	.10	.09	.08	.08	.10	.10	.10	.08	.06	.05	.05	.05	.05	.06	.06	.04	.04	.04	.04	.04	.05	.05	.065		
NO.	28	28	29	28	28	28	28	28	28	27	27	28	28	28	28	28	29	28	27	28	28	28	27	27		669	
MAX	.18	.28	.38	.46	.40	.43	.44	.42	.38	.34	.26	.17	.19	.17	.18	.22	.34	.23	.19	.34	.19	.15	.17	.18	.174		1.07

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-110.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
JULY 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.08	.14	.09	.10	.11	.29	.60	.45	.76	.14	.08	.08	.07	.03	.01	.01	.03	.01	.10	.24	.19	.26	.13	.37	.181	24	1.36
2	.32	.21	.29	.16	.04	.05	.02	.01	.01	.02	.02	.02	.07	.03	.00	.00	.00	.01	.02	.00	.01	.04	.01	.00	.056	24	.44
3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.01	.01	.01	.01	.01	.00	.00	.01	.03	.05	.04	.008	24	.06
4																											
5		.05	.16	.12	.15	.18	.24	.10	.05	.03		.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.05	.053	22	.33
6*	.03	.04	.03	.05	.01	.04	.03	.00	.01	.00	.08	.07	.02	.07	.14	.06	.00	.01	.05	.02	.03	.02	.02	.21	.044	24	.41
7*	.26	.18	.21	.02	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.029	24	.38
8	.00	.00	.00	.00	.00	.00	.01	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.002	24	.03
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				.00	.00	.00	.00	.00	.03	.01	.03	.04	.005	21	.05
10	.05	.04	.03	.02	.02	.03	.04	.03	.04	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.013	24	.07
11	.00	.00	.00	.00	.04	.15	.13	.08	.12	.13	.05	.04	.02	.03	.04	.04	.01	.01	.01	.00	.00	.00	.00	.10	.042	24	.19
12	.09	.04	.05	.08	.14	.41	.46	.17	.19	.13	.02	.01	.00	.01			.01	.00	.01	.01	.03	.03	.03	.03	.088	22	.78
13*	.02	.04	.09	.11	.08	.01	.01	.03	.05	.05	.06	.04	.03	.04	.01	.05	.04	.05	.03	.03	.03	.03	.03	.03	.040	24	.16
14*	.03	.03	.03	.03	.02	.03	.02	.02	.02	.02	.02	.01	.01	.00	.01	.01	.02	.02	.02	.03	.03	.05	.05	.05	.023	24	.10
15	.05	.05	.02	.02	.02	.03	.05	.05	.03	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.015	24	.07
16	.00	.00	.03	.05	.06	.04	.09	.15	.23	.22	.14	.19		.26	.25	.24	.17	.05	.07	.02	.04	.11	.08	.06	.112	23	.46
17	.10	.06	.09	.07	.07	.12	.19	.17	.23	.09	.15	.16	.08	.12	.08	.07	.18	.03	.03	.03	.06	.16	.11	.03	.102	24	.50
18	.01	.01	.04	.03	.04	.05	.07	.08	.05	.07	.06	.04	.04	.05	.09	.09	.07	.12	.10	.04	.04	.02	.12	.06	.056	24	.25
19	.06	.02	.01	.03	.05	.04	.11	.15	.04	.04	.03					.00	.00	.00	.01	.01	.06	.09	.05	.06	.042	20	.25
20*	.08	.07	.03	.03	.02	.02	.01	.02				.00	.00	.00	.00	.00	.01	.01	.00	.02	.01	.01	.02	.02	.018	21	.12
21*	.05	.07	.06	.14	.08	.08	.03	.03	.02	.02	.03	.02	.01	.00	.01	.03	.02	.04	.00	.00	.03	.07	.10	.09	.042	24	.20
22	.10	.03	.01	.00	.00	.02	.08	.15	.15	.30	.17	.09	.02	.04	.05	.02	.02	.01	.02	.04	.05	.04	.01	.00	.058	24	.47
23	.00	.01	.01	.01	.02	.02	.04	.03	.02	.02	.03	.04	.06	.03	.02	.03	.01	.01	.01	.02	.05	.02	.04	.02	.023	24	.08
24	.01	.01	.01	.00	.00	.01	.02	.02	.02	.02	.02	.02	.02	.04	.06	.08	.06	.07	.08	.03	.02	.02	.02	.01	.027	24	.13
25	.01	.01	.01	.01	.01	.04	.14	.13	.12	.09	.07	.02	.03	.02	.03	.03	.03	.03	.02	.02	.02	.02	.04	.07	.042	24	.16
26																											
27*																											
28*																											
29																											
30																											
31																											
MEAN	.06	.05	.05	.04	.04	.07	.10	.08	.09	.06	.05	.04	.02	.04	.04	.03	.03	.02	.02	.02	.03	.04	.04	.06	.047		
NO	23	24	24	24	24	24	24	24	23	23	22	23	21	22	21	23	24	24	24	24	24	24	24	24		561	
MAX	.32	.21	.29	.16	.15	.41	.60	.43	.76	.30	.17	.19	.08	.26	.25	.24	.18	.12	.10	.24	.19	.26	.13	.37	.181		1.36

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-111.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
AUG. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN. MAX.
1	.07	.03	.05	.07	.08	.10	.09	.06	.05	.05	.06						.00	.00	.00	.00	.00	.03	.03	.03	.041	19	.11
2	.02	.02	.02	.02	.01	.01	.02	.01	.00			.00	.00	.16	.15	.03	.01	.05	.11	.11	.08	.09	.13	.14	.053	22	.35
3*	.12	.04	.02	.01	.02	.05	.08	.03	.11	.16	.07	.03	.01	.01	.02	.01	.01	.01	.01	.02	.04	.05	.05	.07	.042	24	.20
4*	.08	.08	.07	.03	.02	.03	.04	.02	.01	.01	.02	.01	.03	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.019	24	.11
5	.12	.04	.04	.03	.06	.13	.19	.22	.10	.18	.20	.24	.22	.12	.10	.14	.18	.03	.03	.03	.03	.04	.05	.05	.107	24	.38
6	.05	.04	.03	.07	.04	.12	.14	.23	.25	.04	.14	.25	.18	.35	.17	.06	.04	.01	.02	.08	.09	.09	.08	.06	.109	24	.55
7	.05	.05	.05	.04	.05	.07	.06	.05	.05	.03	.06	.02				.02	.02	.02	.02	.02	.01	.02	.00	.00	.033	21	.09
8	.00	.01	.03	.06	.08	.14	.15	.06	.05	.04	.04	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.04	.03	.033	24	.20
9	.03	.02	.04	.04	.07	.09	.20	.07	.03	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.025	24	.30
10*	.00	.00	.00	.01	.03	.04	.06	.02	.01	.01	.01	.02	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.010	24	.08
11*																											
12																											
13																											
14																											
15																											
16																											
17*																											
18*																											
19	.00	.00	.00	.01	.02	.03	.05	.04	.06	.10	.01	.00	.00	.00		.00	.00	.00	.00	.00	.01	.09	.12	.10	.028	23	.17
20	.12	.32	.41	.13	.08	.07	.08	.08	.08	.06	.04	.04	.02	.06	.09	.08	.05	.04	.06	.15	.15	.19	.30	.39	.127	24	.66
21	.17	.23	.18	.20	.25	.31	.30	.16	.10	.06	.04	.04	.06			.03	.11	.18	.16	.10	.13	.20	.19	.33	.160	22	.39
22	.22	.07	.07	.06	.10	.07	.09	.08	.06	.10	.21	.12	.16	.09	.13	.12	.12	.10	.12	.03	.03	.06	.10	.11	.100	24	.41
23	.11	.07	.11	.13	.16	.37	.20	.10	.16	.16	.58	.42	.39		.19	.15	.10	.05	.03	.05	.16	.17	.18	.12	.180	23	.75
24*	.04	.03	.03	.03	.03	.03	.05	.04	.03			.02	.02	.02	.02	.03	.03	.02	.02	.02	.04	.02	.01	.01	.026	22	.05
25*	.00	.00	.00	.00	.01	.00	.01	.01	.00	.00	.00	.00	.01	.02	.01	.01	.01	.01	.01	.02	.04	.05	.04	.03	.013	24	.05
26	.02	.02	.02	.01	.01	.02	.03	.03	.03	.02	.02	.02	.02	.02	.03	.03	.03	.02	.03	.02	.02	.02	.02	.01	.021	24	.05
27	.01	.01	.01	.02	.07	.14	.10	.09	.08	.22	.06	.04	.03	.02	.02	.03	.03	.02	.02	.02	.02	.02	.02	.04	.047	24	.29
28	.10	.08	.06	.04	.04	.05	.10	.08	.04	.05	.07	.19	.17	.16			.02	.03	.03	.04	.04	.03	.03	.03	.067	22	.39
29	.03	.06	.04	.06	.06	.05	.07		.06	.04	.02	.01	.02	.02	.02	.03	.02	.02	.02	.04	.05	.09	.06	.05	.041	23	.15
30	.04	.04	.04	.03	.06	.05	.05	.04	.08	.04	.02	.03	.02	.02	.01	.01	.01	.02	.02	.02	.02	.03	.04	.05	.032	24	.13
31*	.05	.05	.07	.06	.05	.06	.07	.08	.05	.04	.04	.03	.01	.01	.01	.01	.00	.01	.01	.01	.01	.05	.12	.10	.040	24	.15
MEAN	.06	.06	.06	.05	.06	.09	.10	.07	.06	.07	.08	.07	.06	.06	.05	.04	.03	.03	.03	.03	.04	.06	.07	.08	.059		
NO	23	23	23	23	23	23	23	22	23	21	21	22	21	19	18	21	23	23	23	23	23	23	23	23		533	
MAX	.22	.32	.41	.20	.25	.37	.30	.23	.25	.22	.58	.42	.39	.35	.19	.15	.18	.18	.16	.15	.16	.20	.30	.39	.180		.75

* Indicates Saturday or Sunday
Local standard time used

TABULATED NOV. 1 JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-112.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
SEPT. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	.08	.14	.11	.11	.05	.05	.05	.05	.05	.04	.05	.05	.04	.03	.01	.01	.01	.02	.02	.07	.10	.04	.03	.04	.053	24	.19
2	.09	.07	.04	.04	.04	.04	.03	.03	.02	.02	.03	.02	.02	.02	.02	.03	.05	.04	.09	.04	.03	.05	.10	.13	.045	24	.16
3	.14	.16	.08	.08	.07	.06	.07	.06	.05	.04	.06	.03	.02	.03	.03	.03	.02	.02	.02	.02	.01	.01	.02	.03	.048	24	.18
4	.03	.03	.03	.02	.03	.04	.05	.04	.04	.03	.02	.03	.03	.04	.03	.01	.02	.01	.01	.03	.01	.01	.01	.01	.025	24	.18
5	.01	.01	.01	.01	.01	.02	.03	.02	.02	.02							.00	.00	.00	.00	.00	.00	.00	.00	.010	18	.03
6	.00	.00	.00	.01	.02	.04	.07	.03										.09	.07	.07	.11	.11	.13	.12	.058	15	.17
7*	.20	.17	.14	.11	.16	.17	.11	.03	.04	.04	.03	.01	.01	.01	.01	.01	.02	.02	.01	.01	.01	.01	.02	.01	.057	24	.30
8*	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.01	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.02	.03	.014	24	.05
9	.08	.18	.23	.11	.12	.08	.13	.14	.10	.06	.09	.07	.04	.03	.03	.05	.02	.02	.02	.02	.02	.02	.03	.02	.071	24	.29
10	.02	.02	.02	.01	.01	.02	.03	.03	.02	.02	.02	.02	.02	.02	.02	.04	.05	.02	.02	.02	.02	.02	.02	.02	.022	24	.07
11	.07	.11	.05	.05	.06	.04	.05	.06	.06	.05	.04	.05		.02	.02	.01	.04	.11	.09	.03	.02	.01	.01	.01	.046	23	.21
12	.02	.04	.09	.06	.03	.10	.09	.05	.03	.02	.02	.02	.02	.01	.01	.02	.02	.01	.02	.02	.02	.01	.01	.01	.032	24	.15
13	.01	.01	.01	.01	.01	.02	.02	.04	.05	.02	.02	.02	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02	.018	24	.06
14*	.02	.02	.02	.02	.02	.02	.02	.04	.04	.04	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.022	24	.06
15*	.03	.08	.09	.09	.04	.07	.11	.24	.25	.10	.03	.02	.03	.04	.05	.04	.03	.03	.03	.03	.03	.03	.07	.09	.069	24	.28
16	.09	.09	.09	.14	.12	.26	.19	.18	.18	.19	.13	.06	.03	.04	.03	.03	.04	.03	.03	.03	.03	.04	.07	.09	.093	24	.32
17	.11	.10	.07	.06	.07	.08	.09	.09		.12	.10	.07	.03	.03			.01	.01	.01	.01	.02	.08	.07	.03	.059	21	.18
18	.02	.03	.03	.06	.09	.10	.14	.24	.27	.45	.22	.09	.11	.10	.10	.08	.04	.03	.04	.05	.12	.14	.27	.30	.129	24	.65
19	.06	.05	.03	.04	.04	.06	.06	.07	.06	.04	.03	.03	.02	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02	.02	.033	24	.10
20	.02	.02	.02	.01	.02	.02	.03	.03	.03	.02	.03	.03	.02	.02	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.022	24	.05
21*	.02	.03	.03	.03	.05	.06	.08	.07	.06	.05	.05	.05	.04	.02	.02	.03	.03	.02	.02	.03	.02	.02	.02	.02	.035	24	.09
22*	.03	.03	.03	.04	.03	.04	.04	.03	.04	.04	.04	.03	.03	.03	.02	.03	.03	.02	.02	.03	.03	.03	.02	.02	.030	24	.05
23	.02	.02	.02	.03	.14	.25	.22	.17	.14	.17	.10	.05	.03	.02		.01	.02	.02	.01	.01	.01	.01	.02	.01	.065	23	.26
24	.01	.02	.12	.17	.19	.21	.29	.14	.10	.09	.15	.09	.04	.03	.02	.02	.02	.02	.02	.05	.08	.08	.07	.07	.087	24	.43
25	.08	.07	.07	.09	.13	.23	.29	.18	.13	.13	.23	.13	.11	.08	.08	.10	.10	.07	.08	.10	.08	.11	.07	.06	.116	24	.34
26	.06	.07	.14	.17	.10	.08	.10	.14	.13	.10	.04	.03	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.10	.16	.069	24	.25
27	.16	.15	.12	.10	.08	.17	.12	.09	.07	.04	.03	.02	.02	.02	.02	.02	.03	.03	.04	.04	.05	.04	.05	.03	.063	24	.23
28*	.02	.02	.02	.03	.04	.06	.07	.08	.06	.09	.09	.09	.06	.08	.08	.14	.05	.03	.02	.02	.02	.03	.02	.02	.051	24	.30
29*	.02	.03	.02	.02	.03	.02	.02	.03	.02	.02	.03	.03	.03	.03	.02	.03	.03	.04	.05	.05	.05	.05	.04	.09	.033	24	.15
30	.10	.08	.09	.09	.08	.08	.09	.14	.25	.27	.08	.30	.24	.18	.15	.16	.16	.15	.12	.09	.09	.10	.12	.13	.138	24	.55
MEAN	.05	.06	.06	.06	.06	.08	.09	.09	.08	.08	.06	.05	.04	.03	.03	.04	.03	.03	.03	.03	.04	.04	.05	.05	.054		
NO	30	30	30	30	30	30	30	30	28	29	28	28	27	28	26	27	29	30	30	30	30	30	30	30		700	
MAX	.20	.18	.23	.17	.19	.26	.29	.24	.27	.45	.23	.30	.24	.18	.15	.16	.16	.15	.12	.10	.12	.14	.27	.30	.138		.65

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-113.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
OCT. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.12	.13	.09	.11	.13	.30	.45	.22	.18	.25					.05	.09	.10	.04	.04	.06	.16	.16	.32	.22	.160	20	.62
2	.25	.23	.15	.16	.19	.12	.15	.40	.36	.06	.10	.06	.04	.03	.03	.03	.03	.04	.05	.08	.04	.04	.04	.04	.112	24	.55
3	.07	.07	.08	.08	.07	.09	.12	.12	.08	.06	.04	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.053	24	.14
4	.02	.03	.02	.02	.03	.03	.04	.05	.03	.02	.02	.04	.02	.02	.01	.02	.02	.02	.02	.02	.03	.03	.09	.18	.034	24	.22
5*	.11	.06	.07	.15	.11	.10	.11	.11	.10	.13	.15	.10	.05	.05	.03	.03	.03	.05	.06	.08	.21	.28	.09	.08	.096	24	.52
6*	.08	.10	.10	.13	.13	.12	.11	.15	.28	.26	.29	.31	.28	.13	.15	.18	.22	.23	.31	.27	.12	.12	.12	.12	.179	24	.44
7	.14	.16	.10	.10	.15	.24	.32	.27			.04	.06	.04	.02	.02	.02	.02	.03	.03	.04	.04	.04	.03	.04	.089	22	.41
8	.03	.03	.03	.04	.07	.11	.12	.17	.16	.17	.12	.06	.05	.06	.06	.05	.04	.04	.04	.05	.10	.14	.10	.16	.083	24	.27
9	.14	.10	.09	.10	.11	.15	.17	.18	.22	.16	.19	.15	.14	.06	.03	.03	.03	.03	.03	.04	.09	.11	.08	.07	.103	24	.28
10	.08	.09	.08	.08	.10	.08	.09	.09	.08	.06	.03	.04	.03	.02	.02	.03	.05	.04	.05	.05	.06	.14	.18	.08	.068	24	.40
11	.09	.09	.11	.09	.07	.09	.10	.15	.09	.08	.05	.04	.03	.03	.02	.02	.02	.02	.03	.03	.03	.02	.03	.04	.056	24	.21
12*	.03	.03	.02	.02	.02	.03	.03	.04	.03	.03	.02	.03	.03	.02	.03	.03	.03	.04	.04	.03	.03	.03	.03	.03	.028	24	.05
13*	.02	.02	.02	.02	.09	.28	.23	.23	.16	.14	.12	.07	.03	.01	.01	.01	.02	.03	.03	.03	.03	.03	.03	.06	.072	24	.39
14	.13	.10	.09	.10	.10	.19	.21	.36			.09	.09	.13	.10			.04	.03	.03	.03	.03	.03	.05	.16	.105	20	.56
15	.08	.10	.10	.11	.12	.16	.15	.17	.14	.08	.04	.04	.03	.03	.03	.02	.03	.04	.09	.13	.08	.06	.06	.06	.080	24	.20
16	.07	.07	.08	.14	.14	.13	.16	.08	.15	.19	.08	.05	.06	.04	.02	.06	.11	.16	.02	.01	.01	.01	.01	.03	.078	24	.33
17	.07	.07	.05	.09	.10	.08	.07	.05	.08			.07	.06	.04	.04	.08	.03	.03	.04	.04	.03	.03	.05	.08	.057	22	.26
18	.05	.04	.04	.03	.03	.03	.04	.03	.07	.08	.05	.02	.05	.03	.04	.02	.02	.02	.02	.03	.02	.03	.03	.03	.036	24	.19
19*	.09	.06	.05	.07	.07	.02	.01	.01	.01	.03					.07	.03	.03	.03	.03	.02	.02	.03	.03	.02	.037	20	.16
20*	.02	.02	.02	.02	.02	.01	.01	.02	.02	.02	.01	.01	.03	.02	.01	.02	.01	.01	.01	.01	.01	.02	.01	.01	.015	24	.03
21	.01	.01	.01	.01	.02	.01	.02	.03	.03	.03	.02			.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.08	.014	22	.11
22	.05	.02	.01	.01	.02	.03	.06	.08	.06	.05	.04		.07	.11	.16	.12	.07	.03	.04	.08	.18	.22	.34	.08	.083	23	.46
23	.12	.14	.05	.09	.13	.22	.28	.19	.19	.11	.07	.03	.01	.00	.00	.00	.01	.02	.04	.07	.07	.07	.08	.09	.087	24	.36
24	.08	.07	.06	.06	.06	.08	.09	.14	.16	.32	.16	.06	.02	.01	.01	.00	.02	.03	.05	.06	.06	.05	.03	.07	.073	24	.50
25	.06	.08	.07	.06	.08	.20	.12	.09	.11	.13	.13	.23	.12	.15	.12	.16	.04	.04	.05	.05	.12	.09	.12	.06	.102	24	.41
26*	.06	.08	.08	.08	.09	.11	.12	.14	.26	.23	.17	.11	.12	.09	.11	.04	.04	.05	.06	.03	.02	.04	.04	.03	.091	24	.38
27*	.02	.02	.02	.01	.02	.02	.01	.02	.03	.02	.02	.03	.02	.02	.04	.03	.04	.05	.04	.04	.05	.06	.07	.07	.031	24	.09
28	.06	.06	.07	.06	.06	.08	.14	.20	.18	.12	.07			.02	.03	.04	.04	.05	.08	.05	.06	.08	.07	.05	.076	22	.26
29	.06	.05	.08	.08	.09	.11	.16	.26	.25	.24	.16	.08	.07	.06	.06	.06	.08	.10	.07	.07	.09	.09	.19	.25	.116	24	.31
30	.30	.28	.31	.28	.23	.22	.33	.23	.12	.13	.16	.12		.15	.18	.18	.12	.05	.07	.08	.08	.22	.40	.22	.193	23	.54
31	.19	.18	.17	.17	.11	.13	.18	.30	.32	.32		.32	.23	.21	.22	.15	.20	.19	.20	.11	.10	.11	.06	.06	.183	23	.49
MEAN	.09	.08	.07	.08	.09	.11	.14	.15	.14	.12	.09	.09	.07	.05	.05	.05	.05	.05	.05	.06	.06	.08	.09	.08	.083		
NO.	31	31	31	31	31	31	31	31	29	28	27	26	26	29	30	30	31	31	31	31	31	31	31	31		721	
MAX.	.30	.28	.31	.28	.23	.30	.45	.40	.36	.32	.29	.32	.28	.21	.22	.18	.22	.23	.31	.27	.21	.28	.40	.25	.193		.62

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-114.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
NOV. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.05	.06	.06	.05	.06	.08	.13	.19	.16	.13	.10	.08	.08	.06	.06	.06	.09	.09	.07	.07	.07	.07	.08	.06	.084	24	.21
2*	.06	.08	.06	.06							.11	.10	.08	.06	.05	.06	.06	.08	.12	.14	.19	.24	.23	.25	.114	18	.36
3*	.30	.24	.22	.23	.24	.18	.22	.23	.23	.21	.14	.13	.11	.11	.07	.06	.06	.06	.08	.18	.20	.24	.28	.20	.175	24	.34
4	.21	.19	.18	.17	.18	.18	.22	.31	.27			.13	.16	.23	.20	.10	.07	.07	.07	.08	.07	.06	.05	.05	.147	23	.43
5	.05	.06	.04	.05	.06	.08	.11	.12	.12	.13	.14	.19	.23	.22	.36	.12	.16	.12	.10	.07	.12	.15	.15	.16	.129	24	.57
6	.12	.13	.09	.08	.09	.13	.17	.17	.16	.15	.11	.08	.06	.06	.07	.06	.07	.09	.08	.07	.05	.06	.06	.06	.092	24	.20
7	.06	.09	.17	.16	.17	.21	.35	.37	.42	.26	.13	.09	.10	.10	.08	.06	.06	.06	.06	.08	.08	.06	.06	.04	.138	24	.47
8	.05	.06	.14	.15	.11	.14	.27	.35	.41	.26	.18	.09	.07	.06	.05	.04	.04	.07	.05	.04	.03	.14	.23	.15	.132	24	.47
9*	.13	.11	.11	.08	.12	.08	.13	.13	.15	.15	.14	.12	.20	.32	.14	.11	.11	.10	.12	.11	.11	.11	.10	.13	.129	24	.48
10*	.14	.15	.12	.10	.12	.17	.23	.29	.15	.09	.06	.05	.04	.04			.03	.05	.11	.15	.12	.08	.08	.09	.112	22	.33
11	.10	.11	.07	.09	.14	.14	.22	.18	.13	.10	.08	.07	.07	.08	.09	.07	.09	.14	.11	.08	.06	.07	.06	.06	.099	24	.24
12	.05	.08	.09	.10	.13	.23	.22	.17			.12	.11	.11	.13	.13	.12	.11	.09	.09	.09	.09	.09	.12	.08	.115	22	.25
13	.07	.07	.09	.12	.16	.21	.22	.18			.15	.15	.13	.15	.16	.15	.15	.13	.14	.19	.16	.16	.15	.16	.147	22	.26
14	.14	.13	.12	.15	.17	.19	.30	.32	.34	.31	.21	.17	.18	.19	.16	.14	.16	.15	.12	.10	.11	.20	.22	.22	.188	24	.37
15	.23	.21	.49	.42	.33	.42	.55	.52	.40	.29	.33	.31	.28	.23	.09			.09	.08	.07	.09	.18	.35	.21	.279	22	.83
16*	.17	.23	.22	.28	.23	.34	.32	.45	.46					.08	.08	.09	.10	.09	.09	.10	.07	.09	.13	.18	.190	20	.65
17*	.14	.10	.13	.10	.12	.15	.14	.22	.40	.37	.23	.45	.20	.14	.17	.36	.15	.11	.14	.25	.13	.11	.10	.08	.186	24	.57
18	.06	.06	.07	.06	.06	.11	.21	.25	.21	.18	.13	.10	.11	.14	.13	.13		.15	.19	.27	.24	.30	.30	.25	.160	23	.35
19	.26	.25	.40	.40	.52	.47	.46	.62	.67	.54	.76	.62	.50	.36	.28	.14	.11	.19	.21	.21	.23	.21	.16	.12	.361	24	1.21
20	.14	.17	.17	.16	.17	.16	.15	.15	.12	.17	.18	.17	.17	.16	.20	.15	.22	.34	.21	.14	.16	.10	.11	.10	.164	24	.48
21	.10	.11	.09	.08	.18	.16	.27	.21	.24	.20	.14	.11	.10	.08	.10	.09	.16	.16	.14	.11	.11	.09	.08	.07	.133	24	.32
22	.07	.07	.07	.07	.07	.07	.08	.09	.08	.08	.06	.06	.06	.06	.05	.04	.05	.05	.06	.12	.13	.08	.05	.06	.070	24	.33
23*	.05	.05	.05	.05	.06	.08	.09	.12	.13	.13	.11	.11	.11	.11	.12	.09	.11	.11	.11	.11	.11	.13	.13	.12	.099	24	.16
24*	.13	.13	.14	.19	.25	.39	.45	.56	.43	.37	.33	.57	.88	.56	.39	.21	.20	.18	.12	.10	.11	.10	.10	.27	.297	24	1.09
25	.20	.19	.19	.18	.19	.27	.34	.26	.22	.24	.18	.17	.17	.16	.14	.15	.18	.24	.22	.27	.28	.34	.31	.27	.222	24	.52
26	.32	.41	.23	.18	.16	.27	.33	.51	.39			.58	.38	.33	.41	.29	.29	.30	.09	.16	.26	.23	.35	.13	.300	22	.87
27	.12	.28	.30	.39	.44	.45	.28	.29	.26	.27	.38	.30		.33	.35	.32	.30	.25	.21	.24	.22	.20	.20	.28	.289	23	.61
28	.24	.20	.25	.27	.20	.24	.25	.21	.26	.33	.47	.61	.25	.11	.09	.09	.10	.08	.08	.08	.08	.09	.09	.08	.197	24	.85
29	.08	.09	.08	.10	.11	.15											.13	.16	.13	.13	.15	.14	.15	.13	.123	14	.18
30*	.13	.12	.13	.12	.15	.19	.22	.23	.22	.20	.16	.15	.17	.15	.13	.13	.10	.10	.10	.09	.12	.11	.13	.11	.144	24	.27
MEAN	.13	.14	.15	.15	.17	.20	.25	.27	.27	.22	.20	.21	.18	.16	.15	.13	.12	.13	.12	.13	.13	.14	.15	.14	.168		
NO.	30	30	30	30	29	29	28	28	26	23	26	28	27	29	28	27	28	30	30	30	30	30	30	30		686	
MAX.	.32	.41	.49	.42	.52	.47	.55	.62	.67	.54	.76	.62	.88	.56	.41	.36	.30	.34	.22	.27	.28	.34	.35	.28	.361		1.21

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-115.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

SULFUR DIOXIDE
DEC. 1963

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX.
1*	.11	.11	.11	.11	.12	.13	.17	.17	.22	.24	.37	.26	.23	.16	.14	.15	.13	.13	.10	.16	.09	.08	.08		.154	23	.52
2											.40	.56	.72	.35	.19	.17	.20	.17	.12	.11	.13	.17	.22	.23	.267	16	.85
3	.18	.21	.16	.17	.24	.25	.32	.36	.44	.38	.49	.31						.23	.22	.25	.16	.22	.34	.31	.273	19	.51
4	.31	.18	.15	.17	.27	.34	.60	.51	.37	.42	.38	.21	.21	.20	.23	.29	.19	.16	.18	.24	.18	.13	.12	.12	.256	24	.75
5	.14	.15	.16	.20	.17	.22	.35	.30	.30	.26	.28	.62	.50	.43	.39	.44	.34	.41	.39	.62	.34	.50	.55	.38	.350	24	.89
6	.26	.27	.36	.29	.29	.36	.31	.28	.31	.50	.38	.40	.36	.34	.42	.15	.24	.23	.21	.31	.26	.27	.28	.31	.307	24	.64
7*	.33	.25	.21	.27	.31	.33	.42	.33	.32	.29	.21	.14	.13	.11	.11	.10	.11	.13	.13	.14	.13	.07	.08	.13	.199	24	.50
8*	.18	.12	.10	.10	.24	.25	.24	.22	.14	.28	.20	.19	.25	.14	.12	.13	.17	.15	.11	.14	.19	.21	.18	.12	.173	24	.36
9	.12	.14	.17	.18	.22	.23	.33	.28	.18		.18	.20	.18	.16		.19	.18	.18	.16	.13	.15	.13	.12	.13	.178	22	.39
10	.13	.12	.13	.16	.17	.24	.29	.27	.27	.26	.27			.17	.16	.17	.19	.15	.14	.14	.13	.14	.17	.17	.184	22	.37
11	.15	.14	.12	.22	.37	.36	.34	.28	.37	.68	.38	.18	.14	.18	.17	.11	.11	.11	.13	.09	.09	.21	.36		.229	23	.74
12								.33	.25	.24	.25	.24	.31	.30				.20	.48	.38	.44	.38	.30	.43	.322	14	.62
13	.33	.42	.22	.23	.45	.50	.34	.34	.32	.26	.22	.22	.19	.18	.18	.17	.19	.20	.20	.23	.18	.16	.16	.18	.252	24	.58
14*	.20	.19	.20	.18	.23	.26	.31	.28	.26	.25	.23	.29	.27	.24	.25	.26	.34	.34	.30	.29	.29	.24	.22	.23	.255	24	.50
15*	.26	.26	.29	.27	.26	.26	.35	.33	.34	.52	.36	.31	.26	.22	.19	.22	.24	.23	.22	.23	.26	.29	.31	.33	.282	24	.64
16	.35										.56	.51	.32	.31	.25	.30	.29	.33	.39	.38	.53	.43	.68	.64	.417	15	.98
17	.62	.53	.54	.59	.60	.69	.94	.83	.77	.76	.36	.34	.27	.24	.21	.36	.63	.46	.38	.28	.23	.20	.22	.22	.469	24	1.14
18	.23	.23	.25	.28	.30	.38	.39	.42	.43	.41	.41	.36	.35	.27	.26	.25	.22	.24	.26	.29	.32	.40	.49	.38	.325	24	.57
19	.29	.23	.24	.22	.27	.30	.33	.39	.36	.36	.37			.22	.27	.27	.29	.29	.36	.41	.44	.39	.31	.33	.314	22	.54
20	.31	.34	.33	.46	.43	.52	.55				.36	.27	.28	.30	.33	.27	.24	.25	.29	.33	.31	.36	.31	.31	.349	21	.63
21*	.42	.40	.38	.41	.47	.52	.58	.55	.61	.57	.50		.55	.48	.55	.53	.49	.50	.49	.77	.68	.71	.75	.89	.555	23	1.01
22*	1.06	.99	1.02	.84	.69	.63	.63	.63	.68	.79	.71	.73	.71	.68	.55	.70	.58	.52	.56	.60	.71	.80	.82	.77	.724	24	1.23
23	.65	.67	.75	.86	.94	.94	1.00	.98		.79	.80	.54	.40	.32	.34	.27	.32	.37	.52	.51	.40	.74	.72	.63	.628	23	1.22
24	.68	.60	.45	.37	.31	.34	.40	.49	.34	.37	.38	.33	.29	.32	.29	.33	.43	.37	.39	.39	.32	.28	.30	.31	.378	24	.82
25	.30	.26	.29	.37	.39	.50	.51	.54	.53	.53	.63	.59	.43	.57	.59	.42	.43								.463	17	.86
26					.38	.30	.42	.32	.31	.26	.26	.26	.22	.22	.24	.26	.26	.25	.18	.19	.24	.21	.16	.16	.255	20	.49
27	.14	.16	.19	.21	.36	.52	.44	.29	.30					.23	.22	.21	.20	.19	.19	.20	.20	.22	.23	.19	.244	20	.58
28*	.20	.21	.20	.21	.22	.35	.51	.56	.44	.48	.43	.41	.44	.37	.61	.61	.65	.58	.34	.29	.18	.21	.23	.22	.380	24	.75
29*																											
30									.44	.55	.60	.55	.47	.52	.42	.37	.49	.54	.48	.41	.68	.89	.87	1.09	.585	16	1.33
31	1.01	1.12	1.10	1.08	.95	.74	1.08	1.10	1.08	.96	.71	.46	.82	.62	.46	.40	.53	.37	.50	.68					.789	20	1.37
MEAN	.34	.33	.33	.34	.37	.40	.47	.44	.41	.46	.40	.36	.36	.30	.30	.29	.31	.29	.29	.32	.29	.32	.34	.35	.271		
NO.	26	25	25	25	26	26	26	26	26	25	29	26	26	29	27	28	28	29	29	29	28	28	28	26		646	
MAX.	1.06	1.12	1.10	1.08	.95	.94	1.08	1.10	1.08	.96	.80	.73	.82	.68	.61	.70	.65	.58	.56	.77	.71	.89	.87	1.09	.789		1.37

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TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-116.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

CHICAGO, ILL.

TOTAL HYDROCARBON
JAN. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1																											
2																											
3																											
4																											
5*	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.0	3.0	2.5	2.9	3.1	3.2	3.9	3.9	3.6	4.0	3.4	3.5	3.0	3.0	3.0	3.17	24	5.0
6*	3.0	3.0	2.2	2.0	2.0	2.1	2.0	2.3	2.1	2.3	2.3	2.1	2.1	2.3	2.2	2.3	2.3	2.3	2.1	2.0	2.0	2.0	2.1	2.0	2.19	24	3.0
7	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.8	3.1	3.0	3.0	3.0	3.0	3.2	3.0	3.0	3.0	3.1	3.1	3.1	2.9	4.0	3.2	3.0	2.76	24	6.0
8	3.1	3.0	3.0	3.0	2.8	2.3	2.1	2.8	3.0		2.8	2.8	2.5	3.0	3.0	3.1	3.5	3.7	3.3	3.1	3.0	3.2	3.0	2.8	2.95	23	4.0
9	2.0	2.0	2.0	2.7	3.0	2.3	3.0	3.3	4.1	3.9	3.8	3.6	4.0	3.8	3.4	4.1	4.0	4.6	4.0	3.8	3.3	3.4	3.1	3.0	3.32	24	7.0
10	2.9	2.0	2.0	2.0	2.3	2.0	2.4	3.1	3.0	3.0	3.2	3.0	3.0	3.0	3.0	3.3	3.7	3.3	3.0	3.3	3.1	2.9	3.0	2.7	2.83	24	6.0
11	2.1	2.0	2.0	2.0	2.0	2.0	2.5	2.8	3.1	3.0	3.0	3.0	3.0	3.0	3.0	2.9	3.1	3.0	2.3	2.5	2.3	2.0	2.0	2.2	2.53	24	5.0
12*	2.2	2.0	2.1	2.0	2.5	2.0	2.3	2.0	2.0	2.0			3.0	3.0	3.0	3.0	3.0	3.0	2.8	2.0	2.0	2.0	2.2	2.3	2.37	22	3.0
13*	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.68	24	3.0
14	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.00	24	4.0
15	3.0	3.0	3.0	3.2	3.0	3.0	3.0	3.0	3.1	3.0		3.0	3.0	3.0	3.1	3.0	3.3	3.2	3.1	3.0	3.0	3.0	3.1	3.0	3.03	23	4.0
16	3.0	3.2	3.1	3.0	3.0	3.0	3.3	3.6	3.4	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.0	3.3	3.1	3.0	3.0	3.0	3.0	3.0	3.07	24	4.0
17	3.0	3.3	3.0	3.0	3.0	3.1	3.3	3.4	3.4	3.0	3.0	3.0	3.0	3.4	3.4	3.1	3.6	4.2	3.1	3.0	4.0	4.3	3.6	4.1	3.32	24	7.0
18	3.7	4.5	4.0	3.2	3.2	3.7	3.0	3.9	4.2	4.2	3.8	4.1	3.8	3.3	3.9			4.1	3.7	3.6	3.4	3.5	3.8	3.9	3.73	22	7.0
19*	3.7	3.8	3.3	3.0	3.0	3.1	3.1	3.0	3.0	3.0	3.1	3.9	3.2	3.1	3.4	4.1	4.1	3.9	3.1	3.0	3.0	3.0	3.0	3.0	3.27	24	6.0
20*																											
21											4.8	4.5	4.0	4.0	4.0	4.1	4.1	4.1	3.8	3.0	3.1	3.0	3.0	3.0	3.74	14	5.0
22	3.0	3.0	3.1	3.8	3.4	3.0	3.0	3.9	4.1	4.0	4.0	3.8	4.0												3.54	13	5.0
23																											
24																											
25																											
26*																											
27*																											
28																											
29																											
30																											
31																											
MEAN	2.8	2.8	2.7	2.7	2.7	2.6	2.7	3.0	3.2			3.2	3.1	3.1	3.2			3.4	3.1	3.0	3.0	3.0	2.9	2.9	3.00		
NO.	16	16	16	16	16	16	16	16	16	15	15	16	17	16	16	15	15	16	16	16	16	16	16	16		381	
MAX.	3.7	4.5	4.0	3.8	3.4	3.7	3.3	3.9	4 2	4.2	4.8	4.5	4.0	4.0	4.0	4.1	4.1	4.6	4.0	3.8	4.0	4.3	3.8	4.1	3.74		7.0

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TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
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Robert A. Taft Sanitary Engineering Center
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Table 3-117.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
FEB. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX.
1																											
2*																											
3*																											
4																											
5																											
6		3.3	3.0	3.0	3.0	3.0	3.0	3.1	3.9				3.6	4.4	4.2	4.3	4.2	3.8	3.4	3.1	3.0	3.0	3.1	3.0	3.43	20	5.0
7	2.8	2.0	2.0	2.0	2.0	2.1	2.8	3.9	3.8	3.3	3.2	3.3	3.2	3.2	3.8	3.9	3.8	3.6	3.3	3.0	3.0	3.0	3.0	2.8	3.02	24	6.0
8	2.6	2.0	2.0	2.0	2.0	2.0	2.3	3.5	3.3	3.1	3.2	3.0	3.0	3.1	3.0	3.5	4.1	3.6	3.0	3.0	3.0	3.0	3.0	3.0	2.85	24	5.0
9*	2.8	2.8	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.0	3.0	3.1	3.0	3.0	3.0	3.3	3.02	24	4.0
10*	3.0	3.0	3.0	3.0	2.3	2.1	2.2	2.4	2.4	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.2	3.1	3.1	3.0	3.0	3.0	3.0	2.84	24	4.0
11	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.4	3.2	3.0				3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.4	3.03	21	5.0
12	3.0	3.0	3.0	3.0	3.3	4.0	5.0	5.2	4.6	4.2	3.8	3.9	3.5	3.9	3.3	3.8	3.6	3.1	3.0	3.0	3.0	3.0	3.0	3.1	3.57	24	6.0
13	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.4	3.7	3.6			3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.08	22	4.0
14	2.9	2.9	2.2	2.4	2.2	2.6	3.0	3.2	3.1	3.3	3.3	3.3	3.0	3.1	3.2	3.1	3.3	3.0	3.0	3.1	3.1	3.1	3.1	3.3	2.97	24	4.0
15	3.1	3.0	3.0							4.1	4.1	4.2	4.0	4.1	4.1	4.0	4.0	3.8	3.3	3.3	3.3	3.1	3.5	3.5	3.63	18	5.0
16*	3.3	4.4	3.1	3.8	3.4	3.0	3.0	3.0	3.0	3.0	3.8	4.2	3.4	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.0	3.0	3.0	3.23	24	10.0
17*	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.7	3.2	3.0	3.0	3.0	3.04	24	4.0
18	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.7	4.0	4.0	4.0	4.0	4.0	4.0	4.2	4.1	4.0	3.1	3.0	3.2	3.1	3.42	24	5.0
19	4.8	3.5	3.3	3.0	3.1	3.0	3.4	4.0	4.4	4.6	4.1	4.3	4.3			3.1	3.5	3.2	3.0	3.0	3.0	3.0	3.0	3.0	3.51	22	11.0
20	3.0	2.8	3.0	3.0	2.7	3.0	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.4	3.0	3.0	3.0	3.0	3.0	3.3	3.0	3.00	24	4.0
21																											
22																											
23*																											
24*																											
25																											
26																											
27																											
28																											
MEAN	14	15	15	14	14	14	14	14	14	14	12	12	14	14	14	15	15	15	15	15	15	15	15	15			
NO.	4.8	4.4	3.3	3.8	3.4	4.0	5.0	5.2	4.6	4.6	4.1	4.3	4.3	4.4	4.2	4.3	4.2	4.2	4.1	4.0	3.3	3.1	3.6	3.5	3.63	343	
MAX.																											11.0

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-118.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
MARCH 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	3.1	3.0	3.0	3.0	3.0	3.0	3.1	3.3	4.1	4.2	4.0	4.3	5.0	5.0	5.0	5.1	4.6	4.5	4.1	3.6	3.8	4.2	4.3	4.1	3.93	24	6.0
2*	4.0	4.7	4.5	4.0	3.8	3.1	3.8	4.2	4.0	4.0	3.5	4.2	4.1	4.0	4.0	4.0	4.0	4.3	4.0	4.1	4.9	4.3	4.1	4.0	4.08	24	7.0
3*	4.1	4.0	4.6	4.7	4.9	4.7	4.8	4.8	4.8	4.3	4.5	5.1	5.0	5.0	5.3	5.2	5.2	5.2	4.9	4.5	4.3	4.2	4.1	4.3	4.66	24	6.0
4	4.9	4.3	4.0	4.2	4.2	4.0	4.3	5.9	5.8	5.2	4.2	4.3	5.4	5.9	5.8	5.0	5.1	4.7	4.3	4.1	4.0	4.1	4.6	4.2	4.66	24	7.0
5	4.0	3.3	3.8	4.0	4.0	4.0	4.0	4.6	5.1	4.6	4.3	4.0	4.0	4.3	4.6	4.5	4.0	4.0	4.1	3.6	4.0	4.2	3.7	4.1	4.10	24	6.0
6																											
7																											
8	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.9	4.0	4.3	4.1	4.0	4.0	3.9	4.3	4.2	4.3	4.3	4.0	3.8	3.3	3.6	4.5	4.4	3.74	24	6.0
9*	4.1	3.5	3.2	3.0	3.0	2.9	2.8	3.0	3.0	3.4	3.3	4.0	4.1	4.0	3.7	3.4	3.0	3.0	3.0	3.0	3.0	3.0	2.9	3.0	3.25	24	5.0
10*	3.0	3.0	3.0	2.9	2.3	2.5	2.5	2.7	3.0	3.0	3.3	2.8	2.3	3.0	2.8	2.7	3.3	3.7	3.3	3.8	3.1	3.0	3.0	2.9	2.94	24	4.0
11	2.7	2.0	2.0	2.0	2.0	2.0	2.3	3.1	4.0	4.1	3.0	3.5	3.3	3.5	3.1	3.4	3.3	4.3	4.0	3.3	3.7	3.6	3.9	4.7	3.18	24	7.0
12	4.7	3.0	3.5	3.9	3.0	3.2	4.3	5.0	5.8	6.1	5.2	5.1	4.4	4.2	4.6	4.2	4.3	4.0	3.0	3.4	3.1	3.4	3.5	3.0	4.06	24	7.0
13	3.0	2.4	2.3	2.1	2.3	2.3	2.9	4.0	3.6	3.8	3.7	3.3	3.3	3.5	3.5	4.4	3.9	4.0	4.1	3.6	3.6	3.4	5.3	4.5	3.44	24	11.0
14	5.0	5.0	4.3								3.1	2.9	2.8	2.9	2.8	2.6	2.8	2.9	2.8	2.9	3.2	3.0	2.6	3.4	3.23	17	8.0
15	4.8	4.1	3.3	3.7	3.6	4.5	4.2	3.6	3.0	3.0				2.9	3.2	3.0	3.2	2.6	2.6	2.3	2.3	2.2	2.3	2.6	3.17	21	5.0
16*	3.0	2.5	2.6	2.3	2.3	2.5	2.8	2.9	3.1	3.0	3.3	3.3	3.3	3.8	3.7	4.1	4.1	3.5	3.3	3.0	3.2	3.0	2.9	3.0	3.09	24	5.0
17*	2.8	2.3	2.5	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.2	2.8	2.7	2.7	3.1	3.1	3.0	3.1	3.0	3.1	3.3	3.2	3.2	3.2	2.63	24	4.0
18	3.2	2.8	2.3	2.6	2.7	2.8	3.3	3.8	3.8	3.5	3.3	3.4	3.9	3.8	3.9	4.5	4.4	4.0	3.9	4.1	4.2	3.8	3.3	3.2	3.50	24	6.0
19	3.0	3.0	3.0	2.9	3.0	3.0	3.0	3.3	3.1	3.3		3.9	5.0	3.3	3.0	3.1	3.1	3.1							3.22	17	7.0
20																											
21	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.7	3.8	3.9	3.7	4.2	3.8	3.9	4.3	4.7	4.7	5.0	5.4	4.1	3.7	3.8	3.3	3.6	3.77	24	11.0
22	3.3	3.1	3.0	3.0	3.0	3.0	3.5	4.8	3.8	3.3	3.2	3.1	3.1	3.2	3.4	3.1	3.4	3.8	3.9	5.7	5.4	4.5	5.3	4.4	3.70	24	8.0
23*	3.6	4.0	3.5	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.3	3.0	3.0	3.1	3.0	3.2	3.8	3.0	3.0	3.3	3.0	3.0	3.0	3.0	3.12	24	4.0
24*	2.9	3.0	2.3	2.2	2.0	2.2	2.0	2.0	2.0	2.0	2.1	3.0	3.2	3.5	3.5	3.4	3.5	3.1	3.2	3.1	3.0	3.0	3.0	3.0	2.75	24	5.0
25	3.0	2.9	2.9	2.8	2.5	2.4	3.1	2.9	3.3	3.5	3.8	3.3	3.8	3.9	3.8	4.3	5.1	3.9	3.3	3.5	3.5	3.1	3.0	3.7	3.37	24	9.0
26	3.5	3.5	2.6	2.3	2.1	2.0	2.3	3.4	3.8	4.3		3.8	3.9	3.9	3.8	4.2	4.3	3.8	3.6	3.0	3.2	4.2	3.8	4.3	3.45	23	11.0
27	4.4	3.1	3.3	3.5	3.2	3.5	3.9	3.7	3.6	3.3	3.1	3.1	3.0	3.0	3.3	4.2	4.8	5.1	4.8	5.4	5.0	7.8	6.0	5.1	4.12	24	10.0
28	3.4	3.0	3.0	3.0	3.0	3.0	3.8	4.5	4.5	3.8	3.1	3.4	4.5	5.2	5.1	5.3	5.2	5.1	4.8	4.8	4.7	4.6	4.3	4.7	4.14	24	9.0
29	4.2	4.0	3.2	3.0	3.0	3.0	3.1	3.1	3.7	3.3	3.2	3.0	3.0	3.0	3.0	3.0	3.2	3.5	3.8	4.5	4.3	4.7	4.9	5.1	3.56	24	7.0
30*	5.1	5.2	7.5	5.5	4.9	3.8	5.0	6.4	4.5	3.4	4.1	3.8	3.8	4.1	4.6	4.0	4.8	4.1	3.8	4.3	4.4	3.8	3.4	3.5	4.49	24	14.0
31*	4.2	3.3	3.1	2.9	3.0	2.8	2.2	2.6	2.7	2.8	2.8	2.9	2.7	3.1	3.6	3.0	3.7	3.0	2.8	2.8	3.1	3.4	4.5	4.5	3.13	24	7.0
MEAN	3.7	3.3	3.3	3.1	3.0	3.0	3.3	3.7	3.7	3.6	3.5	3.6	3.7	3.8	3.8	3.9	4.0	3.9	3.7	3.7	3.7	3.8	3.8	3.8	3.60		
NO.	28	28	28	27	27	27	27	27	27	27	25	27	27	28	28	28	28	28	27	27	27	27	27	27		654	
MAX	5.1	5.2	7.5	5.5	4.9	4.7	5.0	6.4	5.8	6.1	5.2	5.1	5.4	5.9	5.8	5.3	5.2	5.2	5.4	5.7	5.4	7.8	6.0	5.1	4.66		14.0

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-119.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
APRIL 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	3.2	3.0	3.0	3.6	3.3	3.6	4.0	5.1	4.3	3.9	3.9	3.8	4.5	5.3	4.2	3.9	4.9	4.5	4.9	4.8	4.0	3.5	3.0	3.6	3.98	24	7.0
2	3.1	3.8	3.0	2.8	2.9	2.5	3.3	3.0					2.0	2.1	2.5	2.8	2.6	2.8	3.0	2.7	2.8	2.8	3.7	2.2	2.81	20	6.0
3	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.6	2.3	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.04	24	4.0
4	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.4	2.6	2.4	2.3	2.3	2.1	2.3	2.3			3.3	3.3	3.3	3.3	3.1	3.4	3.7	2.54	22	5.0
5	3.8	3.8	3.9	3.8	4.1	3.9	3.6	3.2	3.0	2.8	2.4	2.3	2.2	2.3	2.4	2.5	2.8	2.8	2.7	3.3	3.3	2.9	2.3	2.3	3.00	24	5.0
6*	2.0	2.0	2.2	3.3	2.0	2.1	3.0	2.2	2.2	2.1	2.3	2.2	3.0	3.5	3.4	3.2	3.1	3.3	3.3	3.2	4.1	3.3	3.3	3.4	2.79	24	6.0
7*	3.6	3.2	2.1	2.0	2.1	2.0	2.1	3.3	3.3	2.1	2.1	2.8	2.8	3.3	3.4	3.8	3.1	3.0	2.9	2.7	2.6	2.4	2.3	2.5	2.70	24	6.0
8	2.1	2.0	2.0	1.9	2.0	2.0	2.2	3.0	3.2	2.9		2.8	2.3	2.9	3.1	3.0	3.4	3.1	2.6	2.7	2.8	2.7	2.1	2.3	2.55	23	4.0
9	2.1	2.0	2.0	2.0	2.0	2.0	2.3	2.7	2.8					2.2	2.3	2.6	3.3	2.9	2.8	2.3	2.2	2.3	2.2	2.0	2.33	20	5.0
10	2.1	2.0	2.0	2.0	2.0	2.0	2.2	2.4	3.1	2.7	2.8	3.0	3.1	2.9	3.0	3.1	3.5	3.1	2.3	2.2	2.3	2.5	3.1	3.1	2.59	24	5.0
11	3.4	2.6	2.3	2.0	2.0	2.0	2.0	3.0	2.8	2.9	3.0	2.4	2.7	3.1	3.2	3.7	4.2	3.8	3.2	3.2	3.2	2.8	4.0	2.9	2.91	24	9.0
12	2.0	2.2	2.5	2.1	2.4	2.3	3.1	3.4	3.4	2.8	2.7	2.8	2.9	3.0	3.0	3.5	3.9	3.1	3.2	3.8	3.3	2.8	2.9	3.0	2.91	24	7.0
13*	2.8	3.3	2.1	2.0	2.0	2.0	2.0	2.3	2.5	2.9	3.2	3.4	3.2	3.0	3.3	3.7	3.8	3.1	2.8	2.6	2.8	2.8	3.3	3.6	2.84	24	5.0
14*	4.1	3.8	3.2	3.2	2.8	2.4	2.3	2.9	2.2	2.0	2.4	3.0	2.8	1.5					2.8	2.8	2.4	2.3	3.1	3.9	2.74	20	5.0
15	3.3	2.7	2.0	2.0	2.0	2.1	2.3	3.3	3.6	3.2	3.2	3.1	3.0	3.2	3.2	3.2	3.2	2.8	4.6	3.5	2.8	2.3	2.1	2.0	2.84	24	5.0
16	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.4	2.1	2.0	2.1	2.3	2.5											2.10	14	3.0
17																											
18	2.4	2.0	2.0	2.0	2.0	2.0	2.1	3.0	2.9	3.0	2.8	2.9	3.0	3.2	3.6	4.3	3.6	4.8	4.4	3.9	4.2	4.0	4.1	3.4	3.14	24	6.0
19	2.8	2.0	2.4	2.5	2.7	2.7	2.8	3.0	3.0	3.2	3.0	3.0	3.0	2.8	3.0	2.8	3.1	2.6	2.0	2.3	2.0	2.0	2.0	2.0	2.60	24	5.0
20*	2.0	2.2	2.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.7	2.2	2.1	2.0	2.3	3.4	2.9	2.1	2.8	3.3	3.6	3.3	2.4	3.3	2.43	24	5.0
21*	2.7	3.0	3.5	2.4	2.1	2.0	2.0	2.5	2.2	2.1	2.2	2.5	2.5	2.7	3.0	3.1	3.3	3.3	3.1	3.2	3.0	2.5	2.6	2.2	2.61	24	4.0
22	2.3	2.0	2.1	2.0	2.0	2.0	2.6	2.7	2.7	3.0	2.9	3.0	3.2	3.2	3.3	3.6	3.4	3.5	3.2	2.5	2.6	2.4	2.5	2.6	2.70	24	6.0
23	2.1	2.2	2.0	2.0	2.0	2.0	2.3	3.0	3.0					2.9	3.3	3.5	3.9	3.4	3.3	3.1	3.0	3.0	4.2	2.7	2.83	20	6.0
24	2.3	2.0	2.0	2.0	2.0	2.1	2.3	3.1	2.8	2.8	2.8	2.9	2.9	2.9	2.9	3.1	2.9	3.3	2.9	2.6	3.1	2.8	2.4	3.1	2.66	24	4.0
25	3.4	3.4	3.3	3.6	3.2	4.0	4.5	4.8	4.3	3.5	3.6	4.4	3.1	3.1	3.8	4.6	4.8	3.9	4.0	4.2	3.6	3.2	3.0	2.7	3.74	24	7.0
26	2.8	2.3	2.3	2.3	3.0	3.0	4.4	5.4	4.0	3.2	3.6	3.7	3.3	3.8	3.9	4.3	4.4	4.3	3.3	3.7	3.8	3.9	3.8	3.6	3.56	24	7.0
27*	3.8	3.5	3.9	3.4	3.0	3.1	3.6	3.9	3.4	3.2	3.9	3.2	3.7	3.6	3.0	3.5	3.8	3.5	3.5	3.3	3.4	3.4	3.6	3.7	3.51	24	5.0
28*	3.8	3.2	2.8	2.4	2.0	2.4	2.0	2.3	2.3	2.8	3.0	3.0	3.3	3.3	3.1	3.8	4.0	3.4	3.0	2.4	2.8	2.5	2.3	2.0	2.82	24	5.0
29	2.0	2.0	2.1	2.8	3.0	2.9	3.7	4.2					2.9	3.5	3.7	4.3	4.2	4.3	3.7	3.0	3.8	3.8	3.4	3.8	3.34	20	5.0
30	2.3	2.0	2.0	2.0	2.0	2.0	2.9	3.1	3.4	3.1	2.7	3.0	3.0	3.2	3.0	3.4	3.3	2.7	2.5	2.3	2.3	2.7	2.2	2.0	2.62	24	4.0
MEAN	2.7	2.5	2.4	2.4	2.4	2.4	2.7	3.0	2.9	2.7	2.8	2.9	2.8	2.9	3.1	3.4	3.5	3.3	3.1	3.0	3.0	2.8	2.9	2.8	2.85		
NO.	29	29	29	29	29	29	29	29	27	25	24	25	27	29	27	26	26	27	28	28	28	28	28	28		663	
MAX.	4.1	3.8	3.9	3.8	4.1	4.0	4.5	5.4	4.3	3.9	3.9	4.4	4.5	5.3	4.2	4.6	4.9	4.8	4.9	4.8	4.2	4.0	4.2	3.9	3.98		9.0

* Indicates Saturday or Sunday
Local standard time used

TABULATED NOV., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-120.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
MAY 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.1	2.0	2.1	2.5	2.7	2.9	3.0	2.5	2.3	3.1	3.4	2.5	2.8	2.4	2.34	24	4.0
2	2.1	2.0	2.0	2.0	2.0	2.3	2.5	2.3	2.3	2.3	2.5	2.8	3.0	3.0	3.0	3.1	3.0	2.7	3.0	3.0	3.0	3.0	3.0	3.3	2.62	24	4.0
3	2.1	2.0	2.0	2.0	2.5	3.0	3.4	3.7	3.0	3.0	3.0	3.5	4.1	4.0	4.2	4.0	4.5	3.8	3.8	4.0	4.0	4.8	4.0	4.0	3.42	24	7.0
4*	4.1	3.3	3.2	3.0	3.0	3.0	3.3	3.4	3.2	3.3	3.7	3.9	4.1	4.1	4.3	4.7	5.2	4.5	3.6	3.3	3.2	3.2	3.5	3.3	3.63	24	6.0
5*	3.1	2.7	2.3	2.1	2.1	2.2	2.0	2.9	3.0	3.0	3.0	3.0	3.0	3.3	3.4	3.6	3.7	3.3	3.3	3.1	3.1	3.1	2.8	2.9	2.90	24	4.0
6	3.0	3.0	3.0	3.1	3.2	3.7	4.5	5.1	4.1	4.0	3.4	3.8	4.2	4.1	4.8	4.4	4.3	4.3	4.2	4.2	4.1	4.6	7.3	8.3	4.26	24	19.0
7	6.0	5.2	4.8	4.0	4.0	4.1	4.8	4.8	4.0	4.0	3.8	3.0	3.0	3.1	3.0	3.1	3.0	3.1	3.0	3.0	3.3	3.0	3.0	3.6	3.72	24	7.0
8	3.0	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.5	5.3	4.8	3.8	3.3	3.7		3.9	3.5	3.7	3.8	3.0	3.2	3.7	3.2	3.43	23	6.0
9	3.0	3.1	3.0	3.0	3.0	3.2	4.0	4.0	3.6	3.8	4.0	3.9	4.1	4.6	4.3	4.6	4.7	4.3	4.3	4.3	4.3	4.0	4.9	3.9	3.90	24	11.0
10	3.2	3.9	4.0	3.0	3.0	3.0	3.8	4.6	4.3	4.0	4.3	3.4	3.7	3.8	4.0	4.0	4.1	3.8	3.3	3.3	3.4	3.2	3.7	3.1	3.63	24	6.0
11*	3.1	3.0	3.0	2.8	2.5	2.6	3.0	3.0	3.3	3.0	3.3	3.4	3.5	3.3	3.8	3.8	3.5	3.0	3.1	3.0	3.0	3.1	3.4	3.7	3.17	24	5.0
12*	3.3	3.0	2.3	2.0	2.4	2.3	2.3	2.4	2.3	2.8	2.8	2.9	3.0	3.2	3.7	3.4	3.6	3.6	3.2	3.9	3.7	3.0	3.0	2.8	2.93	24	4.0
13	3.0	3.0	2.7	3.0	3.0	3.0	3.4	3.8	3.5	3.7	3.5	3.1	3.3	3.1					3.0	3.0	3.0	2.3	2.7	3.1	3.09	20	5.0
14	2.9	3.0	3.0	3.0	2.6	2.7	3.0	3.1	3.0				3.6	3.8	4.0	4.3	4.1	3.8	3.3	3.3	3.8	3.9	3.2	3.3	3.35	21	5.0
15	3.0	3.0	3.0	3.0	3.0	3.5	4.7	4.5	4.3	4.3	4.0	4.1	4.1	5.8	7.3	5.3	4.5	4.1	3.8	3.7	3.8	3.3	2.8	2.3	3.95	24	11.0
16	2.2	2.0	2.1	2.0	2.1	2.8	3.6	4.0	3.6	3.0	3.3	3.4	3.8			4.3	4.6	4.3	3.3	3.5	3.1	3.2	3.7	3.3	3.22	22	6.0
17	3.0	2.3	2.5	2.5	2.3	3.3	4.8	4.8	4.8	4.4	4.0	4.0	4.2	3.8	4.5	4.8	4.5	4.4	3.7	3.6	3.7	4.6	4.2	3.6	3.84	24	6.0
18*	4.5	4.3	3.7	3.2	3.0	2.8	3.0	2.8	2.7	3.0	2.6	2.8	2.8	3.1	3.0	3.0	2.9	2.3	2.0	2.5	2.4	2.8	3.0	2.9	2.95	24	6.0
19*	2.7	2.1	2.2	2.7	3.0	3.0	3.0	3.2	3.0	3.0	3.1	3.0	2.7	2.8	2.5	2.2	2.0	2.1	2.1	2.2	2.7	2.8	2.8	2.8	2.63	24	4.0
20	2.5	2.0	2.1	2.4	2.5	2.3	3.1	3.0	3.0	3.0	3.0	3.0	2.8	2.8	3.0	3.2	3.1	3.0	3.0	3.0	3.2	3.0	3.2	3.3	2.84	24	5.0
21	3.1	2.8	2.0	2.0	2.0	2.8	3.1	3.0			2.0	2.1	2.0	2.1	2.4	2.2	2.2	2.0	2.0	2.0	2.2	2.3	2.3	2.5	2.31	22	4.0
22	2.0	2.0	2.0	2.0	2.0	2.3	2.7	2.8	2.9	3.0	2.8	2.1	2.2	2.1	2.8	3.1	3.2	3.3	3.1	2.9	3.0	2.7	2.4	2.4	2.55	24	4.0
23	2.2	2.0	2.7	3.9	3.4	3.8	3.0	3.3	3.3	3.1	3.1	2.8	2.8	3.0	3.1	3.1	3.1	3.0	2.8	2.7	2.8	2.3	2.7	3.3	2.96	24	15.0
24	2.0	2.0	2.6	3.8	3.8	3.4	3.1	3.3	3.0	3.0	2.5	2.8	2.9	3.0	3.1	3.3	3.5	3.3	3.3	3.0	3.1	2.3	2.3	2.3	2.93	24	4.0
25*	2.3	2.9	3.0	3.5	2.9	3.0	3.3	3.9	3.1	3.8	3.3	3.3	3.6	3.2	3.2	3.3	3.1	3.3	3.0	3.2	3.2	3.3	3.3	2.9	3.15	24	6.0
26*	2.9	2.1	2.0	2.0	2.0	2.0	2.1	2.2	2.4	2.3	2.7	2.9	3.0	3.3	3.4	3.5	3.3	3.2	3.1	3.0	3.3	3.3	3.0	2.8	2.73	24	5.0
27	2.2	2.0	2.0	2.1	2.2	3.2	4.3	4.5	4.1	3.7	3.4	3.8	4.1	4.9	6.3	6.8	5.7	4.8	4.1	4.1	4.3	3.9	3.1	3.9	3.88	24	8.0
28	3.6	3.0	2.9	2.3	2.8	3.0	3.5					3.2	3.5	4.3	4.5	5.1	5.7	4.7	4.2	3.7	4.2	4.9	5.3	5.3	3.97	20	10.0
29	3.5	3.4	3.3	3.6	3.7	3.4	4.2	4.4	4.0	3.7	3.3	3.2	3.5	3.3	3.9	4.5	4.3	3.6	3.0	3.3	3.4	3.5	4.3	4.5	3.69	24	8.0
30	3.8	4.4	5.3	5.3	5.9	4.2	3.7	3.8	3.3	3.0	3.0	3.0	3.0	3.2	3.9	3.7	3.8	3.0	3.3	3.5	3.5	3.1	3.0	2.7	3.64	24	12.0
31	2.1	3.8	4.2	3.3	3.2	3.3	4.2	4.3	3.3	3.1	3.0	3.2	2.9	3.0	3.5	3.3	3.1	3.3	3.0	3.3	3.1	2.7	2.6	2.8	3.22	24	5.0
MEAN	2.9	2.8	2.8	2.8	2.8	3.0	3.4	3.5	3.3	3.3	3.2	3.2	3.3	3.4	3.8	3.8	3.7	3.5	3.2	3.3	3.3	3.2	3.4	3.4	3.25		
NO	31	31	31	31	31	31	31	30	29	28	29	30	31	30	29	29	30	30	31	31	31	31	31	31		728	
MAX	6.0	5.2	5.3	5.3	5.9	4.2	4.8	5.1	4.8	4.4	5.3	4.8	4.2	5.8	7.3	6.8	5.7	4.8	4.3	4.3	4.3	4.9	7.3	8.3	4.26		19.0

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-121.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
JUNE 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	2.4	3.0	3.0	3.0	3.0	2.6	3.0	3.0	3.0	3.0	3.5	3.7	3.0	3.1	3.1	3.3	3.4	3.1	3.0	5.3	4.2	3.8	4.0	4.0	3.30	24	7.0
2*	4.0	3.3	3.8	4.0	4.0	4.0	3.7	3.3	3.6	4.0	4.0	3.7	3.6	3.7	4.6	5.3	5.3	5.2	5.3	5.8	6.4	5.8	5.6	5.0	4.44	24	8.0
3	5.3	5.2	6.4	7.0	7.0	7.1	8.8	7.6	6.3	4.9	5.3	4.8	4.3	3.8		3.3	3.8	4.1	5.3	5.8	5.9	6.1	6.3	6.2	5.65	23	10.0
4	5.2	4.6	4.9	4.8	3.8	4.4	4.6	4.3	3.8	3.4	3.6	3.2	3.9	3.8	4.0	4.8	4.6	4.3	3.4	3.2	3.0	4.5	3.3	2.8	4.03	24	6.0
5	3.3	4.2	5.0	4.3	4.2	3.9	4.0	3.8	3.3	3.0	3.1	4.3	4.3	5.5	5.3	5.1	4.3	4.0	4.0	3.8	3.8	3.7	3.7	4.5	4.06	24	7.0
6	3.6	3.1	3.1	3.3	3.1	3.5	4.0	4.6	4.1	3.9	4.0	4.2	4.3	4.5	4.8	4.3	4.4	3.8	3.2	3.5	4.0	4.3	4.2	4.0	3.89	24	7.0
7	4.1	3.1	3.3	3.1	3.8	3.6	7.0	6.3	5.0	5.4	4.2	4.3	4.9	4.2	4.5	4.8	4.8	4.4	3.4	3.1	2.7	2.7	4.3	5.1	4.32	24	11.0
8*	3.7	5.3	3.3	3.0	3.1	3.6	3.1	3.1	2.9	4.2	4.6	3.3	2.9	2.9	3.3	3.1	3.2	3.1	3.6	4.5	5.9	5.2	3.4	2.8	3.61	24	9.0
9*	3.3	2.4	3.0	3.0	2.8	2.7	3.3	3.8	3.2	3.6	3.9	4.1	4.4	5.8	4.8	4.6	4.4	4.3	4.8	4.8	4.8	4.3	4.4	4.3	3.94	24	7.0
10	4.1	4.0	3.9	3.9	3.7	4.0	4.2	4.4	4.1	4.1	4.3	4.3	4.6	4.8	4.3	4.0	4.4	4.1	4.1	3.8	4.0	4.2	4.1	3.6	4.11	24	7.0
11	3.0	2.8	2.3	2.3	2.2	2.8	3.4	3.4	3.3	3.2	3.3	3.0	3.1		3.3	3.7	3.0								2.99	16	5.0
12									3.4	3.6	3.4	3.4	3.8	3.4	3.6	3.6	3.6	3.0	3.2	3.3	3.1	3.5	3.3	3.0	3.36	16	5.0
13	3.0	3.0	4.2	4.0	4.1	3.8	4.3	4.5	4.0	4.0	4.1	4.5	4.2	4.1	4.2	4.0	4.3	4.1	4.3	4.7	5.4	5.5	5.6	5.1	4.27	24	7.0
14	4.3	4.8	4.1	4.1	4.0	4.3	5.1	4.7	4.7	4.4	4.2	4.1	4.1	4.3	5.0	4.7	4.9	4.3	4.2	4.8	5.0	4.9	5.2	4.6	4.51	24	6.0
15*	4.6	4.4	4.7	4.1	3.9	3.3	3.5	3.4	3.5	3.4	3.4	3.3	3.6	3.8	3.2	3.6	3.3	3.3	3.3	4.1	3.8	4.0	5.8	5.0	3.83	24	8.0
16*	5.3	6.0	8.5	8.6	7.6	7.5	4.8	3.8	3.2	3.3	3.3	3.7	3.7	3.9	3.7	3.9	4.3	4.0	4.4	3.9	4.8	5.3	5.7	4.9	4.91	24	11.0
17	4.1	4.6	4.1	4.1	4.0	4.4	5.1	5.9	5.2	4.9	4.3	3.8	3.8	4.0	4.0	4.5	4.8	4.0	3.7	4.5	5.8	5.9	7.4	7.3	4.75	24	9.0
18	6.6	5.4	6.8	5.7	5.9	5.6	4.8	4.6			4.2	4.0	4.0	4.2	4.4	5.0	4.1	3.5	3.3	3.8	3.8	4.8	6.0	3.9	4.73	22	11.0
19	3.2	2.3	2.0	2.3	2.5	3.2	3.8	3.2	3.1	3.1	3.0	3.0	3.0	3.1	3.4	4.2	4.7	3.8	3.5	3.7	3.0		3.7	3.4	3.21	23	6.0
20	2.7	2.4	2.0	2.0	2.0	2.3	3.1	3.1	3.1	2.8	3.2	3.1	3.2	3.1	3.2	3.8	3.2	3.4	2.8	3.1	3.1	3.8	3.5	2.9	2.94	24	5.0
21	2.3	2.0	2.1	2.0	2.2	2.8	3.5	3.6	3.2	3.4	3.2	3.1	3.2	3.0	3.4	3.8	3.8	3.3	2.9	3.6	2.8	2.6	2.8	3.5	2.98	24	5.0
22*		3.6	3.8	3.3	2.3	2.4	2.5	2.6	2.3	2.2	2.8	3.3	3.4	3.4	3.3	4.0	4.0	3.9	3.8	4.3	4.3	4.6	4.4	3.9	3.41	23	6.0
23*	3.3	3.3	2.8	3.0	2.9	2.8	3.0	3.8	4.0	4.0	3.7	3.0	3.8	4.3	4.3	4.4	4.2	4.3	4.2	4.3	4.2	4.4	3.6	3.2	3.68	24	6.0
24	3.0	2.8	2.3	2.8	2.9	3.6	5.3	5.4	5.0	4.5	4.6	4.0	3.3		4.4	4.3	4.6	4.0	4.2	4.3	4.2	4.0	3.9	3.4	3.92	23	7.0
25	2.9	2.6	2.6	3.0	3.0	4.1	5.3	5.3	5.3	4.8	4.4	4.2	4.7	4.8	5.2	5.4	4.3	4.3	3.5	3.2	3.3	3.5	3.8		4.04	23	6.0
26	5.3	6.4	5.3	6.3	4.4	3.7	4.4	4.1	3.6		3.1	2.3	2.8	3.0	3.0	3.1	3.3	2.6	2.9	3.3	8.9	11.4	12.0	10.0	5.01	23	14.0
27	5.5	3.8	3.4	4.3	3.5	4.0	4.9	5.5	3.7	3.3	3.3	3.4	3.9	3.8	3.3	3.2	3.2	3.0	3.3	4.2	3.8	3.8	3.8	3.8	3.81	24	7.0
28	4.4	3.3	3.3	3.0	3.0	3.5	3.9	3.9	4.4	4.0	4.2	3.9	4.0	4.1	4.7	4.3	4.6	3.9	3.8	3.7	3.6	3.6	3.4	3.3	3.82	24	6.0
29*	3.3	3.7	3.1	3.1	2.8	2.9	3.3	3.1	3.8	4.3	4.7	3.8	3.7	3.6	3.8	4.3	4.1	4.6	4.6	5.0	5.2	4.8	4.3	4.3	3.90	24	6.0
30*	3.9	3.3	2.9	3.0	3.1	3.7	3.5	3.2	3.4	3.6	3.6	4.2	4.6	4.8	4.6	5.3	4.4	5.0	4.9	5.6	4.6	4.7	3.8	3.1	4.01	24	8.0
MEAN	3.9	3.7	3.8	3.8	3.6	3.9	4.2	4.1	3.8	3.8	3.8	3.7	3.8	4.0	4.0	4.2	4.1	3.9	3.8	4.2	4.4	4.6	4.6	4.3	3.99		
NO.	28	29	29	29	29	29	29	29	29	28	30	30	30	28	29	30	30	29	29	29	29	28	29	28		696	
MAX.	6.6	6.4	8.5	8.6	7.6	7.5	8.8	7.6	6.3	5.4	5.3	4.8	4.9	5.8	5.3	5.4	5.3	5.2	5.3	5.8	8.9	11.4	12.0	10.0	5.65		14.0

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-122.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
JULY 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	3.9	4.3	3.3	3.0	3.1	3.6	3.9	4.7	4.4	4.2	4.2	3.8	4.2	4.4	4.0	4.3	4.6	3.8	3.0	3.6	3.6	3.2	3.0	3.4	3.81	24	7.0
2	3.7	3.5	3.0	3.0	3.0	3.8	4.3	4.5	4.3	3.8	3.5	3.3			3.5	3.8	3.6	3.6	3.3	3.3	3.4	3.6	3.1	2.8	3.50	22	6.0
3	2.2	2.3	2.0	2.1	2.0	2.4	3.1	3.0	3.1	3.3	3.3	3.3	3.5	3.7	4.0	4.2	3.8	3.6	3.4	3.9	4.0	4.2	4.4	4.4	3.28	24	6.0
4	4.1	3.0	3.0	3.0	2.7	2.3	2.8	2.7	2.8	3.0	3.2	3.2	3.1	3.1	3.7	3.5	3.3	3.3	3.7	3.5	4.0	3.6	4.5	3.7	3.26	24	6.0
5	3.0	3.7	5.0	5.1	5.2	6.6	6.9	4.9	3.6	3.3	4.8	4.6	3.8	3.8	4.0	4.3	3.8	3.8	3.3	3.5	3.8	4.3	3.9	5.1	4.33	24	9.0
6*	4.7	4.8	3.6	3.0	3.1	3.1	3.2	3.3	3.2	3.1	3.4	3.9	3.8	3.2	3.0	3.2	3.4	4.4	3.8	3.3	3.0	3.4	3.3	3.0	3.45	24	6.0
7*	3.3	3.1	3.0	2.9	3.0	3.1	3.0	3.0	3.0	3.0	3.0	3.1	3.4	3.6	4.0	3.8	3.9	3.6	3.6	3.9	4.0	4.0	3.2	3.0	3.34	24	6.0
8	3.0	2.9	3.0	2.9	3.0	3.2	4.0	4.2	3.2	3.6	3.8	3.8	3.6	3.7	3.8	4.0	3.8	3.8	4.0	3.6	3.8	3.3	3.9	3.1	3.52	24	11.0
9	3.0	2.8	2.7	2.4	2.3	2.8	3.5	3.4	3.2			3.1	3.1	3.7	3.8	3.3	3.4	3.1	3.0	3.0	3.4	3.3	4.2	4.3	3.20	22	5.0
10	3.9	4.1	3.3	3.3	3.0	3.2	4.2	3.6	3.7	3.4	3.1	3.0	3.1	3.2	3.7	3.8	3.7	3.4	3.8	3.3	3.1	3.5	3.4	2.9	3.43	24	6.0
11	2.8	2.6	2.4	2.8	3.6	4.9	6.1	5.0	4.9	4.8	3.9	3.9	3.8	4.2	4.4	4.7	4.6	4.3	4.6	4.5	4.3	4.6	3.8	4.8	4.16	24	8.0
12	4.4	3.8	3.8	4.0	4.2	4.0	3.9	3.5	3.4	3.4	3.3	3.0	3.1	3.3	3.3	3.2	3.0	2.7	2.4	2.9	3.0	3.1	3.0	3.0	3.35	24	5.0
13*	2.9	2.3	2.2	2.0	2.0	2.1	2.0	2.0	2.1	2.0	2.0	2.0	2.2	2.1	2.2	2.8	3.3	3.2	3.0	3.0	2.8	2.9	3.3	2.8	2.45	24	4.0
14*	2.5	2.3	2.6	2.3	2.0	2.1	2.1	2.3	2.0	2.4	2.3	2.3	2.1	2.2	2.4	2.6	2.6	3.1	3.0	3.1	3.7	3.9	3.6	2.9	2.59	24	5.0
15	2.8	2.3	2.0	2.0	2.0	2.4	3.1	3.5	3.0	2.7	2.8	2.7	2.4	2.8	3.2	3.0	2.7	2.6	2.6	3.2	3.1	2.8	2.3	2.0	2.64	24	5.0
16	2.0	2.0	2.1	2.0	2.1	2.6	3.5	2.7	2.8			3.1		3.0	2.9	3.2	3.3	2.6	3.7	3.8	4.4	3.3	3.8	3.1	2.94	21	6.0
17	2.1	2.1	2.0	2.0	2.0	2.0	2.2	2.5	2.3	2.5	2.8	2.6	2.6	3.0	3.3	3.5	3.3	2.8	3.1	2.8	3.3	3.1	4.0	3.2	2.70	24	5.0
18	2.3	2.0	3.0	3.0	3.0	3.4	4.2	4.1	3.7	3.6	3.6	3.0	3.1	3.3	3.2	3.2	3.0	2.6	2.5	2.9	3.1	3.3	2.6	2.3	3.07	24	5.0
19	2.0	2.0	2.0	2.0	2.0	2.1	2.4	2.3	2.8	2.9	3.1	2.8	2.5	2.5	3.2	3.3	3.8	3.7	3.3	3.7	3.8	3.1	3.0	3.5	2.81	24	5.0
20*	3.1	2.8	2.2	2.1	2.0	2.0	2.1	2.1	2.5	2.9	3.1	3.2	3.2	3.2	3.1	3.3	3.8	3.9	4.0	4.3	4.1	4.0	3.7	4.0	3.09	24	6.0
21*	6.2	4.3	3.3	4.3	3.3	4.5	2.9	2.5	2.5	2.5	2.5	3.3	3.1	3.2	3.2	3.5	2.8	2.5	2.3	2.3	2.7	3.3	3.8	3.0	3.23	24	7.0
22	2.4	2.0	2.0	2.0	2.0	3.3	5.3	4.5		4.2	4.9	4.4	3.2	3.4	3.6	3.8	3.8	3.3	3.3	4.1	3.2	2.9	2.4	2.1	3.29	23	8.0
23	2.0	2.0	2.3	2.0	2.0	2.3	3.2	3.1	2.7				3.3	3.3	4.5	4.5	4.3	4.2	3.4	3.8	3.6	3.1	3.7	3.1	3.14	21	6.0
24	2.5	2.0	2.0	2.0	2.0	2.7	3.3	3.2	2.8	3.2	3.4	3.1	3.1	3.3	3.8	4.1	4.2	3.7	3.8	4.1	3.6	3.9	2.7	2.8	3.11	24	6.0
25	2.1	1.8	1.8	1.7	1.6	2.5	3.3			2.4	2.3	2.1	2.3	2.2	3.2	3.5	3.4	3.1	3.2	4.1	4.2	2.0	2.8	2.9	2.64	22	6.0
26																											
27*																											
28*																											
29																											
30																											
31																											
MEAN	3.1	2.8	2.7	2.7	2.6	3.1	3.5	3.3	3.1	3.2	3.3	3.2	3.1	3.2	3.5	3.6	3.6	3.4	3.3	3.5	3.5	3.4	3.4	3.2	3.22		
NO	25	25	25	25	25	25	25	24	23	22	22	24	23	24	25	25	25	25	25	25	25	25	25	25		587	
MAX	6.2	4.8	5.0	5.1	5.2	6.6	6.9	5.0	4.9	4.8	4.9	4.6	4.2	4.4	4.5	4.7	4.6	4.4	4.6	4.5	4.4	4.6	4.5	5.1	4.33		11.0

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-123.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
AUG. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	9-MIN MAX
1																											
2																											
3*	4.8	3.3	2.7	2.1	1.0	1.8	2.0	2.3	2.8			4.3	3.9	3.8	4.0	3.8	4.2	4.1	4.1	4.5	5.0	5.0	5.1	5.1	3.61	22	7.0
4*	5.0	4.6	4.0	4.0	4.0	4.0	4.0	4.0	4.4	4.3	4.0	4.0	4.8	5.3	4.3	3.8	4.0	4.0	4.0	3.9	4.0	4.0	3.8	3.0	4.13	24	6.0
5	3.7	3.5	3.8	3.9	3.2	3.8	4.0	4.0	3.9	3.6	4.8	4.9	4.8	4.4	4.0	4.0	4.2	4.3	4.2	4.1	4.0	4.0	4.3	5.4	4.10	24	14.0
6	5.7	5.3	4.7	4.0	4.0	4.0	3.3	3.6	4.1	3.9	4.0	3.3	3.0	3.5	4.0	4.5	5.0	5.0	4.9	5.0	5.2	5.3	5.6	4.8	4.39	24	7.0
7	4.0	3.3	3.0	3.0	3.0	3.0	3.8	4.0		3.3	4.0	6.5	6.6	5.8	5.6	6.3	7.2	7.9	7.3	6.3	5.0	4.6	4.4	3.3	4.65	23	8.0
8	3.0	3.0	3.5	3.8	4.0	5.1	5.9						2.7	2.4	3.2	3.6	4.2	4.8	4.2	3.5	3.4	3.4	4.6	4.3	3.84	19	6.0
9	4.4	4.1	3.7	3.0	3.0	2.9	3.6	4.8	4.9	4.7	4.6	4.2	5.0	5.2	6.6	5.2	5.0	5.0	5.0	5.0	4.0	4.0	3.8	3.3	4.36	24	8.0
10*	3.0	2.1	2.3	2.9	3.7	4.3	5.0	4.3	3.3	3.0	3.8	5.5	5.4	6.0	7.7	8.6	7.5	6.5	6.0	6.1	5.5	4.7	3.9	3.0	4.76	24	9.0
11*	3.0	3.0	3.1	3.0	3.0	3.0	3.0	2.9	2.0	1.8	1.2	2.0	2.3	5.3	5.5	3.3	3.0	3.0	2.2	2.0	2.0	2.3	3.0	3.0	2.82	24	7.0
12	3.0	2.6	3.0	2.7	2.0	2.0	2.9	3.6			3.0	2.0	1.3	2.0	2.6	2.8	2.0	2.0	2.0	2.0	2.0	1.8	2.1	2.3	2.34	22	4.0
13	2.5	1.8	2.0	2.0	2.0	2.0	2.4	3.2	3.2	3.0	3.3	3.0	4.5	3.6	3.2	4.3	5.4	6.2	7.0	6.2	5.4	4.6	4.0	4.0	3.69	24	7.0
14	3.2	2.0	2.4	2.0	2.1	2.0	2.9	3.3	3.3	2.3	3.2	5.0	6.1	6.8	7.8	7.3	8.4	6.0	4.3	4.2	3.4	2.8	2.6	3.0	4.00	24	9.0
15	3.0	2.0	2.4	2.9	2.9	2.1	2.1	2.8	3.0	2.0	2.0	2.4	2.5	2.7	2.5	2.9	3.9	5.0	5.3	4.6	3.9	3.1	2.2	3.3	2.97	24	6.0
16	4.0	4.0	4.0	4.0	3.3	3.5	3.7	3.2	3.3	1.8	2.0	2.1	2.0	2.0	2.0	2.1	2.8	2.0	2.0	2.0	2.0	2.0	1.1	1.7	2.59	24	4.0
17*	2.0	1.3	2.0	2.0	1.9	1.1	1.0	1.6	2.3	2.8	3.3	2.5	2.7			4.7	6.0	6.8	5.9	5.2	5.2	6.2	7.0	7.0	3.65	22	7.0
18*	7.1	5.0	5.0	4.1	3.8	4.0	3.1	2.8	1.8	1.0	1.0	1.0	1.3	2.4	3.6	3.3	3.5	3.3	3.0	2.3	2.9	4.6	5.0	4.9	3.32	24	8.0
19	4.8	2.5	2.0	2.0	2.0	2.0	2.9	3.0	2.5	2.3	2.6	2.0	2.3	2.5			3.8	3.4	5.4	4.6	3.2	3.5	3.3	3.0	2.96	22	6.0
20	2.9	2.9	2.7	2.0	2.0	2.1	3.0			3.0	3.2	2.7	3.1	3.1	3.9	4.0	3.8	3.7	3.3	3.1	3.0	3.0	2.8	3.8	3.03	22	6.0
21	3.0	2.7	3.0	2.3	2.2	2.8	3.3	3.6	3.6	3.3	4.5	3.8	3.6	3.1	2.8	2.7	2.8	2.0	2.0	2.0	2.0	2.3	2.5	4.3	2.90	24	6.0
22	3.9	2.9	2.6	2.0	2.0	2.2	2.3	3.0	3.0	2.8	2.4	2.3	2.0	2.0	2.1	2.3	2.4	2.1	2.0	2.0	2.2	2.0	2.0	2.0	2.36	24	4.0
23	2.6	2.0	2.0	1.7	1.4	2.0	2.0		2.1	2.0	2.0	2.1	2.0	3.3	3.0	2.8	2.2	2.0	2.3	2.5	3.0	2.2	2.0	2.3	2.22	23	4.0
24*	2.7	2.0	1.6	1.0	1.0	1.3	1.8	2.1	6.5	7.7	7.3	7.7	7.3	8.0	9.3	10.3	10.9	9.8	8.2	7.7	7.2	7.2	6.0	5.7	5.83	24	11.0
25*	4.9	3.2	3.8	2.9	2.0	1.8	2.3	3.3	3.8	3.3	3.8	2.1	1.5	3.3	4.0	4.8	5.1	5.0	4.9	5.1	5.4	5.9	5.3	5.0	3.85	24	6.0
26	4.9	3.1	2.7	1.6	1.0	1.0	1.0	1.0	0.9	1.0	1.8	2.0	1.8				9.8	10.0	9.9	9.2	8.8	6.8	4.9	4.3	4.15	21	10.0
27	3.1	1.5	1.7	1.0	1.0	1.5	2.1	2.5	2.5	4.0	2.7	1.7	1.9	2.1	3.0	3.3	4.3	4.2	3.8	3.8	4.1	3.9	2.8	2.0	2.67	24	6.0
28	1.3	0.9	0.9	1.0	1.1	1.1	1.0	2.0	2.0	1.9	2.0	1.3	1.4	1.1	1.2	2.0	1.7	2.9	2.8	2.4	2.2	1.8	1.8	1.4	1.63	24	4.0
29	1.0	0.8	0.8	1.0	0.9	1.2	2.3	2.8	2.8	1.9	1.2	1.1	0.8	1.7	2.2	3.0	2.9	2.3	1.7	2.9	2.3	2.3	2.0	1.8	1.80	24	7.0
30	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.2	1.9	1.7	1.0	1.3	1.3	1.2	1.6	2.2	2.9	3.3	3.1	2.5	1.8	1.4	2.5	2.6	1.67	24	9.0
31*	2.0	1.1	1.0	1.2	1.0	1.3	1.9	2.3					1.7	1.6	1.6	1.2	1.3	1.0	1.2	1.3	1.1	1.3	2.2	2.3	1.45	20	3.0
MEAN	3.4	2.7	2.7	2.4	2.3	2.4	2.7	3.0	3.1	2.9	3.0	3.1	3.1	3.5	3.9	4.1	4.9	4.4	4.2	4.0	3.8	3.7	3.5	3.5	3.31		
NO.	29	29	29	29	29	29	29	26	24	25	26	27	29	27	26	27	29	29	29	29	29	29	29	29		672	
MAX.	7.1	5.3	5.0	4.1	4.0	5.1	5.9	4.8	6.5	7.7	7.3	7.7	7.3	8.0	9.3	10.3	10.9	10.0	9.9	9.2	8.8	7.2	7.0	7.0	5.83		14.0

* Indicates Saturday or Sunday
Local standard time used

TABULATED NOV., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
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Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-124.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
SEPT. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	2.3	1.1	1.6	2.0	1.2	1.2	1.8	1.1	1.0	1.0	1.0	1.0	1.1	1.3	1.4	2.0	1.8	1.9	3.1	3.2	2.1	2.3	1.8	1.6	1.64	24	5.0
2	1.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0			2.0	2.0	1.3	1.1	1.0	1.0	1.0	1.2	1.4	1.8	1.8	1.6	2.7	2.0	1.37	22	5.0
3	2.0	1.1	1.0	1.0	1.0	1.3	2.1	2.4	3.5	3.5	3.9	3.8	4.3	4.7	5.8	6.3	6.6	4.8	3.6	3.0	3.1	3.0	2.7	2.9	3.20	24	8.0
4	3.3	2.6	2.8	2.0	2.9	3.8	5.0	6.0	6.2	4.7	3.5	4.3	5.0	5.5	4.3	4.6	4.9	4.3	3.3	3.0	3.2	3.0	3.3	3.5	3.95	24	7.0
5	2.3	1.0	1.0	1.0	1.0	1.3	1.7	1.1	1.8	2.0	1.8	1.4	1.5	1.8	2.7	3.5	4.6	4.0	4.1	3.7	3.8	3.3	3.3	2.8	2.34	24	6.0
6	3.0	2.0	2.0	4.6	5.9	7.0	7.9	5.6	4.3	3.1	2.5	2.3	2.7	3.2	3.3		3.5	2.3	2.6	2.3	2.8	3.0	3.7	3.1	3.58	23	9.0
7*	3.1	2.0	2.0	2.0	1.7	1.5	2.0	1.4	1.5	2.3	2.3	2.7	2.8	2.4	2.8	2.5	2.7	2.8	2.3	2.9	2.1	1.9	2.6	2.5	2.28	24	5.0
8*	2.3	1.4	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.2	2.1	2.3	2.5	2.2	1.8	1.3	1.5	1.3	2.3	3.9	1.54	24	5.0
9	3.5	3.9	3.8	2.3	2.5	2.8	3.8	4.8	3.8	2.9	3.4	2.9		1.8	2.3	2.9	3.8	3.3	2.8	2.7	2.5	1.4	1.4	1.4	2.90	23	7.0
10	1.2	1.0	1.0	1.0	1.0	1.6	2.5	2.1	1.9	1.4	1.5	1.3	1.1	2.1	1.8	2.7	3.9	2.8	2.0	2.3	2.7	2.0	2.0	1.6	1.84	24	5.0
11	1.2	1.0	1.0	1.0	1.0	1.0	1.7	2.2	1.8	1.6	1.1	1.2	1.0	1.4	1.2	1.3	2.4	1.6	1.0	1.0	1.0	1.0	1.1	1.0	1.27	24	4.0
12	1.0	1.0	1.0	1.0	1.3	1.8	1.4	2.1	1.5	1.3	1.3	1.3	1.1	1.3	1.5	2.4	1.7	1.2	1.0	1.0	1.0	1.3	1.0	1.0	1.29	24	4.0
13	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.5	1.1	1.4	1.4	1.8	2.4	2.7	2.4	3.3	2.8	2.5	2.7	2.4	2.0	1.3	1.0	1.69	24	5.0
14*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.1	1.3	1.2	1.3	1.4	1.6	2.1	1.3	1.0	1.0	1.14	24	3.0
15*	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.3	1.0	1.0	1.0	1.0	1.0	1.1	1.7	1.8	1.3	1.3	1.1	1.3	1.1	1.3	1.9	1.16	24	4.0
16	2.0	2.3	2.8	2.7	2.0	2.7	4.2	3.1	3.4	1.7	1.7	1.5	1.0				4.0	2.8	2.4	3.5	1.3	2.0	2.4	1.5	2.41	21	8.0
17	2.8	1.5	1.0	1.0	1.1	1.4	2.7	2.1	2.8	1.4	1.3	2.8	2.7	2.0	1.4	2.8	2.2	1.6	1.2	1.1	1.3	2.7	2.7	1.6	1.86	24	6.0
18	1.0	1.0	1.0	1.1	1.6	1.5	2.6	2.1	1.8	1.7	1.5	1.0	1.0	1.3	1.2	1.7	1.9	1.6	2.5	2.7	2.8	2.7	2.8	4.2	1.83	24	11.0
19	1.1	1.0	1.0	1.0	1.0	1.3	2.8	2.4	1.7	1.1	1.0	1.3	2.1	2.2	2.2	2.2	2.2	1.8	1.6	1.9	1.5	1.0	1.8	1.8	1.61	24	5.0
20	1.0	1.0	1.0	1.0	1.1	1.2	2.4	2.4	1.5	1.3	2.3	2.3	2.0	2.4	2.8	2.9	3.3	2.3	2.8	2.4	2.2	1.9	2.1	1.7	1.96	24	6.0
21*	1.1	1.0	1.0	1.3	2.0	2.1	2.8	2.3	2.3	2.5	2.5	2.1	2.8	2.2	2.3	2.8	2.3	2.3	2.2	2.5	2.1	2.1	2.3	2.0	2.10	24	6.0
22*	2.1	1.8	1.8	1.7	1.4	1.0	1.2	1.8	1.7	1.8	2.0	2.1	2.6	2.9	2.9	3.2	3.2	3.3	3.1	3.4	3.7	3.4	2.9	2.7	2.39	24	6.0
23	1.9	1.0	1.0	1.0	1.1	2.0	2.2	2.3	2.1	2.2	2.3	2.0	2.2	2.1	2.9	3.6	4.3	3.5	2.8	2.7	2.1	2.0	1.6	1.3	2.16	24	6.0
24	1.0	1.0	1.5	2.0	2.0	2.0	3.3	3.4	3.3	2.9			2.2	2.6	2.9	3.9	4.8	4.0	3.3	3.0	3.9	3.8	3.3	5.4	2.96	22	8.0
25	4.2	3.4	2.8	2.0	2.0	2.3	3.2	2.9	2.7	2.0	2.3	2.0	2.1	2.1	2.7	2.8	3.6	3.4	4.0	6.2	5.9	5.3	4.4	3.9	3.24	24	9.0
26	7.3	6.9	6.4	4.7	4.0	5.2	6.3	8.3	7.8	4.7	4.0	3.7	3.3	3.1	3.3	3.4	3.4	3.4	3.3	2.5	2.7	3.3	5.9		4.64	23	12.0
27		6.3	6.4	5.8	4.9	4.2	4.3	4.4	3.3	2.5	2.1	2.0	2.0	1.5	2.2	2.6	2.6	2.1	2.3	2.5	2.9	2.7	3.3	3.1	3.29	23	7.0
28*	2.4	2.3	1.9	1.4	2.8	4.7	3.9	2.6	2.8	3.3	3.7	4.0	3.2	1.9	1.8	1.4	2.0	2.3	2.2	1.6	1.5	1.8	2.2	2.3	2.48	24	6.0
29*	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.1	1.5	1.3	1.8	2.3	2.4	2.5	2.4	2.0	2.1	2.3	2.0	2.0	2.7	1.59	24	4.0
30	2.9	2.0	2.1	1.5	1.0	1.7	2.0	2.3	2.2	1.9	1.3	1.2		1.3	1.7		2.3	2.5	3.5	5.0	6.3	6.1	3.8	3.7	2.63	22	12.0
MEAN	2.1	1.9	1.8	1.7	1.8	2.1	2.7	2.6	2.5	2.1	2.0	2.0	2.0	2.1	2.3	2.7	3.0	2.6	2.4	2.5	2.5	2.4	2.5	2.4	2.27		
NO	29	30	30	30	30	30	30	30	29	29	29	29	28	29	29	27	30	30	30	30	30	30	30	29		707	
MAX	7.3	6.9	6.4	5.8	5.9	7.0	7.9	8.3	7.8	4.7	4.0	4.3	5.0	5.5	5.8	6.3	6.6	4.8	4.1	6.2	6.3	6.1	5.9	5.4	4.64		12.0

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-125.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
OCT. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS.	5-MIN MAX.
1	2.2	2.0	1.0	1.5	1.1	1.2	2.1	2.1	1.5	1.4	1.6		2.0	2.0	2.0	2.1	2.5	2.8	2.4	2.3	2.0	2.0	2.8	1.2	1.89	23	5.0
2	1.0	1.0	1.0	1.0	1.0	1.6	2.1	2.1	2.0	2.0	2.1	2.0	2.5	2.3	2.4	2.3	2.4	2.5	3.0	3.3	3.3	2.3	2.1	2.1	2.04	24	6.0
3	2.0	2.0	2.0	1.6	1.3	2.2	3.8	3.8	3.3	2.8	2.8	2.6	2.3	2.1	3.1	3.2	3.8	3.4	3.3	3.3	3.0	2.3	3.3	1.8	2.71	24	6.0
4	1.2	1.0	1.0	1.0	1.0	1.5	1.9	2.0	1.4	1.9	2.1	2.0	2.2	2.0	2.1	3.3	3.4	2.7	3.0	2.3	1.9	1.4	2.8	4.3	2.05	24	12.0
5*	2.3	2.0	2.3	2.2	2.0	2.0	2.3	2.3	2.3	2.0	2.0	2.2		1.9	2.1	2.0	2.0	2.4	2.4	2.0	2.0	2.0	2.0	2.0	2.13	23	3.0
6*	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.1	2.1	2.1	2.0	2.0	2.2	2.2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.03	24	3.0
7	1.2	1.0	1.0	1.8	2.1	2.8	2.4			1.8	1.9	2.2	2.3	2.1	2.3	2.6	2.7	2.3	2.1	1.8	1.9	1.5	1.4	1.1	1.94	22	7.0
8	0.7		0.7	1.9	2.5	2.2	3.2	2.8	1.1	1.2							2.6	2.6	2.3	2.0	3.0	3.9	6.8	3.9	2.53	17	13.0
9	4.8	3.1	2.0	2.0	2.0	2.2	3.5	3.9	3.3	2.8	2.0	2.0	2.4	2.3	4.0	3.1	3.3	2.7	2.1	3.3	4.4	2.8	4.5	3.1	2.99	24	10.0
10	3.0	2.8	2.0	2.0	2.0	2.1	2.2	2.3	2.5	2.1	2.0	2.0	2.0	2.0	2.1	2.4	3.2	2.6	2.1	2.0	3.1	3.3	2.1	2.1	2.32	24	7.0
11	2.9	2.3	2.2	2.0	2.0	2.7	4.0	4.3	4.5	3.3	3.8	3.0	3.1	3.5	4.2	4.2	4.6	3.9	3.1	3.1	3.1	2.6	2.3	2.8	3.22	24	7.0
12*	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.1	2.5	2.1	2.3	2.8	2.9	3.3	2.5	2.6	3.8	3.1	3.2	3.4	3.0	2.48	24	5.0
13*	2.3	2.0	2.0	2.0	2.0	2.4	2.2	2.0	2.0	2.0	2.0	2.0	2.0	2.7	3.2	3.3	4.5	3.8	3.4	3.6	3.2	3.0	2.8	2.1	2.59	24	6.0
14	1.4	1.0	1.0	1.0						2.5	2.0	2.2	1.7	1.7	3.1	5.1	5.9	4.8	4.4	3.3	7.1	2.2	2.4	2.7	2.91	19	19.0
15	3.7	3.9	3.5	3.3	4.0	3.8	4.8	5.0	4.8					3.2	3.6	4.2	6.1	4.4	4.1	6.8	4.9	4.0	4.5	3.6	4.30	20	9.0
16	3.0	3.0	3.0	3.3	3.9	4.3	7.8	6.3	5.8	4.4	4.8	4.3	4.8	5.0	4.2	5.2	6.7	6.0	4.4	4.8	4.5	3.7	3.6	3.6	4.58	24	11.0
17	3.4	3.0	3.6	3.3	4.6	4.0	4.6	4.9	5.1	3.4	3.4	3.8	3.5	3.3	3.4	4.3	4.8	4.7	3.9	3.8	3.3	3.5	4.1	3.1	3.86	24	8.0
18	3.0	3.0	3.0	3.0	3.3	3.8	5.2	5.2	5.3	5.0	4.1	3.7	3.8	3.6	5.3	4.8	4.9	5.7	4.7	4.7	4.3	4.6	4.3	3.7	4.22	24	9.0
19*	3.0	3.0	3.0	3.0	3.0	3.0	3.3	3.3	3.3	3.4	3.2	3.1	3.0	3.3	4.4	4.8	5.8	5.4	5.4	5.8	4.3	5.2	7.2	5.6	4.04	24	8.0
20*	5.4	5.8	4.3	3.3	3.0	3.0	3.0	3.2	3.3	3.0	3.3	3.7	3.9	4.4	4.3	4.2	4.8	4.4	3.9	4.1	4.1	4.0	3.9	3.5	3.89	24	7.0
21	3.1	3.0	3.0	3.0	3.0	3.4	4.8	4.8	3.8	3.8	3.8	3.8	4.0	3.8	4.3	5.2	5.1	4.2	3.8	4.3	3.9	3.3	3.8	3.8	3.86	24	7.0
22	3.3	3.0	3.0	3.0	3.4	4.0	4.4	5.0	5.2	4.7	4.8	4.3				4.3	5.0	5.1	4.7	4.1	4.1	5.2	5.3	4.0	4.26	23	11.0
23	4.0	3.7	3.1	3.0	3.3	4.5	5.3	7.9	7.3	6.7	5.6	5.3	4.2	4.3	4.4	4.9	5.9	5.1	4.9	5.4	5.8	5.0	5.1	4.9	4.97	24	10.0
24	4.0	4.2	4.0	4.3	4.1	5.3	5.7	6.9	6.8	5.8	5.3	5.0	4.3	4.1	4.4	4.2	5.3	5.3	5.1	4.9	4.7	6.7	5.3	5.4	5.02	24	17.0
25	3.9	3.0	3.0	3.0	3.0	3.5	4.1	4.3	4.6	4.0	4.0	4.1	4.1	4.3	4.0	5.0	5.3	5.4	5.2	5.6	6.2	6.0	7.0	6.3	4.52	24	8.0
26*	7.3	6.3	5.8	5.0	4.3	4.3	5.0	4.9	4.9	4.6	4.8	4.0	4.0	3.8	4.1	4.0	4.3	5.8	6.7	6.1	5.3	5.3	5.7	5.3	5.06	24	10.0
27*	4.6	4.0	4.0	3.7	3.8	3.2	4.8	6.9	4.3	4.1	4.2	4.1	4.0	4.3	4.7	4.8	6.1	5.4	5.6	5.2	5.4	4.9	5.1	4.3	4.62	24	11.0
28	3.0	3.0	2.8	3.0	2.9	2.7	3.3	4.3	3.9	3.4	3.2	3.2	3.0	3.2	3.8		3.8	4.9	4.3	3.0	3.3	3.6	3.4	3.2	3.39	23	7.0
29	2.9	2.8	2.0	2.1	2.0	2.9	3.6	4.7	5.1	4.3	4.0	3.3	3.1	3.5	4.3	4.8	5.3	5.9	4.9	4.3	4.2	4.1	4.7	6.8	3.97	24	9.0
30	8.8	7.2	6.6	5.3	4.3	3.3	3.7	4.9	4.6	4.3	4.2	3.5	3.1	3.3	4.0	3.8	4.5	4.5	4.7	4.2	4.1	3.8	3.0	4.1	4.48	24	12.0
31	3.2	3.0	3.0	3.0	3.0	3.0	3.7	4.6	5.0	5.0	5.3	4.9	4.9	4.6	5.5	6.6	6.4	6.1	6.2	4.7	4.6	4.3	4.1	4.0	4.52	24	8.0
MEAN	3.2	3.0	2.7	2.6	2.7	2.9	3.7	4.1	3.8	3.3	3.3	3.2	3.1	3.1	3.6	3.9	4.4	4.2	3.9	3.9	3.9	3.6	3.9	3.5	3.48		
NO	31	30	31	31	30	30	30	29	29	30	29	28	27	29	29	29	31	31	31	31	31	31	31	31		720	
MAX	8.8	7.2	6.6	5.3	4.6	5.3	7.8	7.9	7.3	6.7	5.6	5.3	4.9	5.0	5.5	6.6	6.7	6.1	6.7	6.8	7.1	6.7	7.2	6.8	5.06		19.0

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-126.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

CHICAGO, ILL.

TOTAL HYDROCARBON
NOV. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	1.9	2.4	1.0	1.0	1.1	1.3	2.2	2.8	3.0	2.7		2.2	2.1	2.0	2.8	3.0	3.7	3.7	3.1	2.8	2.5	2.3	2.4	2.6	2.35	23	6.0
2*	2.1	2.3	2.1	2.0	2.0	2.0	2.1	2.1	2.9	3.3	3.6	3.3	3.4	2.8	2.9	3.3	4.1	3.2	3.1	3.1	3.1	3.3	4.3	4.8	2.96	24	8.0
3*	4.0	3.3	2.8	2.3	2.3	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.4	3.0	3.0	2.9	2.3	2.2	2.0	2.0	2.0	2.0	2.35	24	4.0
4	2.0	2.0	2.0	2.0	2.0	2.0	2.3	3.5	3.5	3.5	3.6	3.3	3.2	3.2	3.6	3.7	4.0	4.2	3.4	3.0	3.1	3.0	3.1	3.0	2.97	24	5.0
5	3.0	3.3										3.8	3.8	3.7	4.0	4.0	4.5	3.9	3.8	3.3	3.8	3.0	3.4	3.4	3.64	15	6.0
6	3.3	3.0	2.5	2.1	2.5	2.8	3.3	4.3	4.8	4.2	3.8	3.3	3.5	3.8	3.8	4.3	4.4	4.9	4.4	3.9	3.1	3.3	3.1	3.1	3.55	24	6.0
7	2.9	4.2	5.8	4.9	4.3	3.8	5.1	6.0	7.8	6.3	3.9	4.0	4.1	3.9		5.8	6.2	4.8	4.6	6.3	4.5	4.6	3.7	3.8	4.84	23	9.0
8	3.6	5.4	5.1	4.0	3.9	3.9	5.9	7.6	7.6		5.5	4.8	3.6	3.4	4.2	4.5	5.3	5.3	4.4	4.2	3.2	4.2	5.6	6.4	4.84	23	10.0
9*	5.0	4.5	4.3	4.0	3.4	3.0	3.0	3.7	3.8	3.3				4.3	4.5	4.6	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.96	21	6.0
10*																											
11																											
12																											
13	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0			3.6	4.4	3.9	3.1	3.0	3.1	4.0	3.0	2.54	22	7.0
14	2.7	2.3	2.1	2.0	2.0	2.0	2.6	3.7	4.0	4.0	4.0	4.1	4.3	4.4	4.2	4.3	4.3	3.8	3.6	3.0	3.0	3.5	3.7	3.3	3.36	24	6.0
15	4.9	4.3	4.4	3.0	3.0	3.0	3.0	3.6	3.2	3.1	3.0	3.0	3.0	3.0	3.1	3.0	3.0	3.2	3.1	3.0	3.0	2.3	2.0	2.0	3.13	24	7.0
16*	2.0	3.4	2.1	2.0	2.0	2.0	2.0	2.0	2.8	3.0	3.0	3.0	3.0	3.3	3.8	3.2		4.0	3.8	3.2	3.3	3.0	3.0	3.0	2.86	23	7.0
17*	3.0	3.0	2.2	2.0	2.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.4	2.3	2.4	3.0	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.20	24	3.0
18	2.0	2.0	2.0	2.0	2.0	2.0	2.1	3.3	3.3	3.0	3.2	2.8	2.8	2.7	3.0	3.2	3.5	4.1	3.6	4.6	3.8	3.7	4.1	4.2	3.02	24	7.0
19	4.0	4.0	3.0	3.0	3.2	3.0	2.4	2.9	3.2	3.6	3.6	3.0	3.2	2.9	3.1	2.9	3.8	4.1	3.1	2.6	2.5	2.0	2.3	2.0	3.02	24	7.0
20	1.9	2.0	2.0	1.1	1.1	1.4	1.1	2.0	2.0	2.0	2.3	3.0	3.1	3.0	3.1	3.7	4.3	3.6	2.8	2.0	2.0	2.0	2.3	1.8	2.31	24	6.0
21	1.0	1.0	1.0	1.0	1.0	1.0	1.5	2.4	3.0	3.3	3.3	3.0	2.4	2.8	3.0	3.1	2.8	3.3	3.0	3.0	3.0	2.0	2.0	2.1	2.28	24	4.0
22	3.0	3.0	3.0	2.9	2.0	2.0	2.7	3.0	3.2	2.7	2.0	2.0	2.1	2.2	3.0	3.0	3.2	3.0	2.1	2.0	2.9	2.6	2.0	2.0	2.55	24	5.0
23*	3.0	2.3	2.3	2.0	2.0	2.0	2.0	2.0	2.0	2.7	3.0	2.7		3.0	3.1	3.2	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	2.66	23	5.0
24*	3.1	3.0	3.0	3.0	3.0	3.5	4.0	4.0	4.1	4.0	4.0	3.6	3.0	3.0	3.9	3.8	3.3	3.7	3.3	3.0	3.0	3.0	3.0	3.0	2.38	24	5.0
25	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.2	3.7	3.3	3.0	3.0	3.6	3.9	4.0	4.0	4.0	4.0	3.8	3.2	4.9	3.39	24	10.0
26	4.7	3.8	3.0	3.0	3.0	3.2	4.3	4.5	4.1	4.5	4.0	4.0	3.3	3.0	3.0		3.1	3.0	3.0	2.5	2.7	3.0	3.3	2.6	3.40	23	9.0
27	2.2	2.4	2.0	2.0	2.0	2.6	2.7	3.0	3.0	3.3	3.4	3.5	3.2	3.1	3.8	4.2	3.3	3.9	3.9	3.1	3.0	3.0	3.0	4.1	3.07	24	7.0
28	3.0	3.1	3.0	3.0	3.0	3.0	3.0	2.8	2.5	2.6	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.8	3.0	3.0	3.0	3.0	3.0	2.8	2.93	24	4.0
29	2.0	2.0	2.0	2.0	2.0	2.0	2.7	3.7	3.3	3.8				3.3	3.2	3.3	3.4	3.2	2.7	3.0	2.9	2.9	2.8	2.3	2.76	21	6.0
30*	2.2	2.1	2.0	2.0	2.0	2.0	2.1	2.0	2.1	2.0	2.6	2.8		2.9	2.8	3.0	2.7	2.5	2.2	2.3	2.7	3.2	2.5	2.3	2.37	23	5.0
MEAN	2.9	2.9	2.7	2.4	2.4	2.4	2.7	3.2	3.4	3.2	3.2	3.1	3.0	3.0	3.3	3.6	3.7	3.6	3.3	3.1	3.0	3.0	3.1	3.1	3.05		
NO	27	27	26	26	26	26	26	26	26	25	23	25	23	27	25	25	26	27	27	27	27	27	27	27		624	
MAX	5.0	5.4	5.8	4.9	4.3	3.9	5.9	7.6	7.8	6.3	5.5	4.8	4.3	4.4	4.5	5.8	6.2	5.3	4.6	6.3	4.5	4.6	5.6	6.4	4.84		10.0

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-127.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
DEC. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1*	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.9	2.8	2.5	2.1	2.5	2.4	2.5	2.5	2.1	2.18	24	4.0
2	2.0	2.0	2.0	2.0	2.0	2.0	2.3	3.4	3.9	3.7	3.0	3.2	3.3	2.5	2.2	2.3	2.8	2.7	2.0	2.0	2.2	2.0	2.1	2.0	2.46	24	5.0
3	2.0	2.2	2.7	2.5	2.0	2.0	2.0	2.3	3.0	2.9	3.1	2.6		2.0	2.8	2.9	3.0	3.0	2.9	3.0	2.8	2.7	2.8	3.0	2.61	23	5.0
4	2.8	2.3	2.3	2.0	2.0	2.8	2.9	3.5		3.0	3.0	2.9	2.4	2.9	3.0	3.3	3.1	3.4	3.0	3.0	3.0	3.0	2.7	2.8	2.83	23	5.0
5	2.8	2.0	2.0	2.0	2.0	2.0	2.8	3.1	3.3	3.1	3.0	2.9	2.5	2.6	2.0	2.3	3.0	3.1	3.0	3.0	2.8	2.0	2.0	2.8	2.59	24	6.0
6	2.0		2.7	2.0	2.0	2.0	2.1	3.2	3.2	3.0	3.3	3.0	3.2	3.1	3.5	3.3	5.0	5.6	5.3	5.2	6.0	6.8	5.5	4.9	3.72	23	8.0
7*	5.7	5.9	5.4	3.3	3.0	3.0	3.0	3.0	3.2	3.3	3.3	3.6	3.2	3.1	3.0	3.1	3.3	3.0	3.0	3.0	3.0	2.6	2.0	2.0	3.32	24	13.0
8*	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.2	2.6	2.4	2.4	2.3	2.1	2.3	2.0	2.0	2.09	24	4.0
9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.5	2.7	2.0	2.1	2.4	2.3	2.0	2.7	2.6	3.0	3.0	2.5	2.2	2.0	2.5	2.2	2.0	2.27	24	3.0
10	2.0	2.0	2.0	2.0	2.0	2.0	2.0						2.7	3.0	3.0	3.3	3.2	3.0	3.0	2.9	3.0	3.0	3.0	3.0	2.63	19	4.0
11	3.3	2.4	2.0	2.3	3.0	3.0	3.1	3.1	3.6	4.3	3.0	3.0	3.0	3.0	3.3	3.1	2.9	3.0	3.0	2.4	2.2	2.8	3.3	3.3	2.95	24	5.0
12	3.0	3.2	2.0	2.0	2.0	2.0	2.6	3.0	3.0	3.0	3.0	2.4	2.7	2.9	2.9	3.0	3.0	3.0	3.2	2.9	2.8	2.4	2.3	3.3	2.73	24	5.0
13	2.5	2.6	3.8	2.5	2.8	2.9	3.0				2.9	2.8	2.2	2.1	2.2	2.5	2.8	2.9	2.8	2.4	2.1	2.2	2.0	2.3	2.58	21	5.0
14*	2.1	2.0	2.0	2.3	2.1	2.0	2.0	2.0	2.3	2.5	3.0	3.0	3.0	2.9	3.0	3.0	3.0	2.9	2.8	2.1	2.3	2.0	2.0	2.3	2.43	24	3.0
15*	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.4	2.0	2.7	3.0	3.0	2.5	2.3	2.3	2.3	2.4	2.3	2.1	2.3	2.0	2.1	2.4	2.3	2.25	24	3.0
16	2.5	2.0	2.0	2.0	2.0	2.0	2.7	3.4	4.2	4.0	3.8	3.6	3.0	3.0	3.0	3.2	3.4	3.4	3.6	3.0	3.0	3.0	3.2	3.3	3.00	24	5.0
17	3.0	2.8	3.0	3.8	3.0	3.3	3.1	3.3	3.3	3.1	2.9		3.0	3.1	3.0	3.8	4.3	4.6	4.1	3.0	3.0	3.0	3.0	3.0	3.27	23	6.0
18	3.3	3.0	3.1	3.0	3.0	3.0	3.0	3.0	3.1	3.3	3.5	3.5	3.0						3.0	2.8	2.4	2.7	2.6	2.3	2.97	19	5.0
19	2.0	2.0	2.5	2.0	2.0	2.0	2.0	2.5	2.9	3.0	3.2	3.0	2.9	3.0	3.0	2.8	3.0	3.0	3.0	3.1	3.0	3.2	3.0	3.0	2.70	24	4.0
20	3.0	2.8	2.0	3.4	3.0	3.1	2.8	3.4	4.0	4.0	3.1	3.0	3.0	3.0		3.0	2.6	2.4	2.8	2.1	2.3	2.8	2.3	2.6	2.86	23	6.0
21*	2.3	2.7	2.0	2.1	2.3	2.4	2.3	2.8	2.9	3.0	3.8	3.0	3.1	5.3	3.9	3.7	3.2	3.7	4.1	4.2	4.3	4.3	4.0	4.6	3.31	24	7.0
22*	4.5	4.2	4.3	3.0	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.8	3.0	3.3	3.7	4.1	5.3	4.2	3.8	4.0	3.5	3.47	24	6.0
23	3.4	3.0	3.0	3.0	3.0	3.0	3.0	3.8	4.0	4.3	4.2	3.8	3.9	3.2			3.3	3.8	3.8	3.2	3.2	3.0	3.0	3.0	3.39	22	5.0
24	3.0	2.8	2.0	2.3	2.3	2.0	2.2	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.8	3.3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.85	24	4.0
25	3.3	3.3	3.0	3.0	2.8	4.0	3.8	4.3	4.0	4.2	3.3	3.0	3.0	2.8	2.7	2.9	3.0	3.0	3.0	3.0	3.0	2.7	2.0	2.0	3.13	24	5.0
26	2.1	2.5	3.0	3.0	3.0	3.0	3.0					3.0	3.0	3.0	3.1	3.7	3.6	3.7	3.0	3.0	3.1	3.0	3.0	2.5	3.00	20	6.0
27	2.1	2.0	2.1	2.9	2.0	2.1	2.3	2.3	3.0	3.0	3.0	3.0	2.6	2.9	3.0	3.2	3.0	3.1	3.0	3.0	3.0	3.0	3.0	3.0	2.72	24	6.0
28*	3.0	2.8	2.8	3.0	2.0	2.1	2.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.3	3.0	3.0	2.89	24	5.0
29*	3.0	3.0	3.0	3.0	2.7	2.0	2.0	2.0	2.1	2.6	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.80	24	3.0
30	3.0	3.0	2.3	2.0	2.8	3.0	3.2	3.3	3.3	3.4		2.9	3.0	3.0			3.8	3.5	3.7	3.3	3.6	4.0	4.0	4.0	3.23	21	5.0
31	4.5	3.7	4.4	4.8	5.1	5.3	5.0				4.1	4.3	3.9	4.0	3.7	4.0	3.8	4.7	4.3	3.9	4.0	4.1	7.3	4.0	4.41	21	16.0
MEAN	2.8	2.7	2.6	2.6	2.5	2.5	2.6	2.9	3.1	3.1	3.1	3.0	2.9	2.9	2.9	3.0	3.2	3.2	3.1	3.0	3.0	3.0	3.0	2.9	2.88		
NO.	31	30	31	31	31	31	31	27	26	27	28	29	30	30	27	28	30	30	31	31	31	31	31	31		714	
MAX.	5.7	5.9	5.4	4.8	5.1	5.3	5.0	4.3	4.2	4.3	4.2	4.3	3.9	5.3	3.9	4.0	5.0	5.6	5.3	5.3	6.0	6.8	7.3	4.9	4.41		16.0

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-128.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

CHICAGO, ILL.

TOTAL OXIDANT
JAN. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
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19*											.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	14	.00
20*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
21	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
22	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	22	.00
23	.00		.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.01			.00	.00	.00	.00	.00	.00	.001	20	.01
24	.00		.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.01
25	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.00
26*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
27*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
28	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
29	.00			.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	20	.00
30	.00		.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.00
31	.00		.00	.00	.00	.00					.00				.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	16	.00
MEAN	13		12	13	13	13	12	12	11	8	12	13	13	12	12	14	13	13	14	14	14	14	14	14		293	
NO.																											
MAX.	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.001		.01

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-129.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
FEB. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.00		.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	22	.00
2*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.001	23	.01
3*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00	.00	.002	23	.02
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19																											
20																											
21																											
22	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
23*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
24*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
25	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
26	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
27	.00			.00	.00	.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	20	.00
28	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
MEAN NO.	10		9	10	10	10	10	10	10	9	10	10	9	9	10	10	10	10	10	10	10	10	10	10		226	
MAX.	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.00	.002		.02

* Indicates Saturday or Sunday
· Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-130.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
MARCH 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.01	.00	.00	.00	.00	.001	21	.02
2*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
3*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
4	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
5	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
6																											
7																											
8	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
9*																											
10*																											
11																											
12																											
13																											
14	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
15	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
16*	.00		.00	.00	.00	.00	.00	.00	.00									.00	.00	.00	.00	.00	.00	.00	.000	15	.00
17*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
18	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
19	.00			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				.00	.00	.00	.00	.00	.00	.00	.00	.000	19	.01
20	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
21	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
22	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.002	23	.03
23*	.00				.00	.00	.00	.00	.00	.00					.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	17	.00
24*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
25	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00					.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	19	.00
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
27	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
28	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
29	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.000	22	.01
30*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
31*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
MEAN	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000		
NO.	24	2	22	22	24	24	24	24	24	23	21	21	21	20	20	21	22	24	24	24	24	24	24	24		527	
MAX.	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00	.00	.00	.01	.00	.00	.00	.00	.002		.03

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-131.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
APRIL 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
2	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.001	23	.01
3	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
4	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01				.00	.00	.00	.00	.00	.00	.002	20	.01
5	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
6*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	22	.01
7*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
8	.00		.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	23	.02
9	.00			.00	.00	.00	.00	.00	.00							.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	16	.00
10	.00		.00	.00	.00	.00	.00	.00	.00	.00						.01	.00	.00	.00	.00	.00	.00	.00	.00	.000	18	.01
11	.00		.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.00
12	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
13*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
14*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
15	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.001	23	.01
16	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				.00	.00	.00	.00	.00	.00	.00	.00	.000	20	.00
17	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	23	.01
18	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
19	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.001	23	.01
20*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.01			.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	21	.01
21*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.003	23	.01
22	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
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NO.	22		21	22	22	22	22	22	22	20	19	19	19	18	19	20	21	21	22	22	22	22	22	22		483	
MAX.	.00		.01	.01	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.003		.02

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-132.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
MAY 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1																											
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30																											
31																											
MEAN																											
NO.																											
MAX.																											
																									.000		.00

NO VALID DATA

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-133.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

TOTAL OXIDANT
JUNE 1963

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	.00		.00	.00	.00	.00	.00	.00	.01	.02	.02	.02	.04	.04	.04	.04	.04	.02	.02	.01	.00	.00	.00	.00	.014	23	.07
2*	.00		.00	.00	.00	.00	.00	.00	.01	.00	.03	.02	.03	.03	.03	.02	.03	.03	.02	.01	.00	.00	.00	.00	.011	23	.06
3	.00		.00	.00	.00	.00	.00	.00	.03	.04	.09	.12	.18		.04	.04	.03	.03	.02	.02	.02	.02	.01	.00	.030	22	.24
4	.00		.00	.01	.03	.01	.00	.01	.01	.02	.03	.03	.03	.02	.01	.01	.01	.00	.00	.01	.01	.00	.00	.01	.011	23	.05
5	.01		.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.01	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00	.003	23	.06
6	.00		.00	.00	.00	.00	.00	.00	.00	.00	.01	.03	.03	.03	.02	.01	.01	.02	.02	.01	.00	.00	.00	.00	.008	23	.05
7	.00		.00	.00	.00	.01	.01	.01			.01	.01	.01	.03	.02	.02	.02	.01	.00	.00	.00	.01	.00	.00	.008	21	.06
8*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.02	.01	.01	.00	.02	.02	.01	.00	.00	.01	.00	.006	23	.04
9*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.01	.02									.01	.01	.01	.01	.004	15	.03
10	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00	.01	.01	.01	.00	.00	.00	.00	.003	23	.02
11	.00			.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00	.00	.00	.01	.01	.01	.00	.00	.00	.002	22	.02
12	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.004	23	.02
13																											
14																											
15*	.00		.00	.00	.00	.00	.00	.00			.00		.02	.01	.02	.01	.01	.01	.01	.01					.006	16	.03
16*																											
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18																											
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23*																											
24																											
25																											
26																											
27																											
28											.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	14	.01
29*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.01	.001	23	.03
30*																											
MEAN	14		13	14	14	14	14	14	12	12	15	14	14	13	14	14	14	14	14	14	14	14	14	14		317	
NO.	.01		.00	.01	.03	.01	.01	.01	.03	.04	.09	.12	.18	.04	.04	.04	.04	.03	.02	.02	.02	.02	.01	.01	.030		.24
MAX.																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3,134.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
JULY 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1																											
2	.00		.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.003	23	.02
3	.00		.00	.00	.01	.00	.00	.00	.00	.01	.01				.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.002	20	.02
4	.00		.00	.00	.01	.01	.00	.00	.01	.01	.02	.01	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.009	23	.03
5	.01		.00	.00	.00	.00	.00	.00	.01	.02	.04	.06	.09	.03	.02	.02	.02	.02	.02	.01	.01	.01	.01	.00	.016	23	.13
6*	.00		.00	.00	.00	.00	.00	.02	.02	.02	.00	.01	.02	.02	.00	.02	.05	.02	.00	.00	.00	.00	.00	.00	.008	23	.06
7*	.00		.00	.01	.02	.00	.02	.01	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.01	.006	23	.03
8	.01		.01	.01	.01	.00	.00	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01	.00	.00	.00	.00	.01	.01	.00	.006	23	.02
9	.00		.01	.01	.02	.01	.01	.01	.01	.02						.01	.01	.01	.01	.00	.00	.00	.00	.00	.007	18	.02
10	.00		.00	.00	.00	.00	.00	.01	.01	.04	.05	.04	.06	.07	.04	.04	.04	.04	.01	.03	.04	.02	.02	.04	.026	23	.10
11	.03		.05	.03	.00	.00	.00	.00	.00	.00	.01	.01	.02	.01	.01	.02	.02	.02	.01	.04	.04	.03	.02	.00	.016	23	.06
12	.00		.00	.00	.00	.00	.00	.00	.00	.01	.04	.06	.05	.04	.03	.04	.03	.03	.02	.01	.00	.00	.00	.00	.015	23	.07
13*	.00		.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	23	.02
14*	.00		.01	.00	.01	.00	.00	.00	.00	.01	.02	.02	.02	.02	.02	.01	.01	.01	.00	.00	.00	.00	.00	.00	.006	23	.03
15	.00		.00	.00	.00	.00	.00	.00	.01	.02	.04	.05	.07	.06	.03	.02	.02	.01	.01	.01	.00	.01	.01	.02	.016	23	.08
16	.02		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00		.00	.00	.00	.01	.03	.02	.00	.00	.00	.004	21	.04
17	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01	.01	.00	.00	.00	.00	.00	.002	23	.03
18	.00		.00	.00	.00	.00	.00	.01	.02	.16	.21	.11	.06	.03	.02	.00	.00	.00	.01	.00	.00	.00	.00	.00	.026	23	.24
19	.00		.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.04	.04	.03	.02	.02	.02	.01	.01	.00	.00	.00	.00	.009	23	.05
20*	.00		.00	.00	.00	.01	.01	.01	.01		.00	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.003	22	.02
21*	.00		.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.04	.03	.01	.00	.01	.00	.01	.01	.00	.01	.01	.01	.007	23	.06
22	.01			.00	.00	.00	.00	.00	.00	.01	.00	.01	.01	.02	.02	.04	.04	.03	.02	.02	.00	.00	.01	.01	.011	22	.07
23	.02		.00	.01	.01	.00	.00	.00	.01	.02	.01	.01	.00	.01	.01	.01	.02	.02	.02	.01	.00	.00	.00	.00	.009	23	.03
24																											
25									.01	.00	.00	.01	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.002	16	.02
26																											
27*																											
28*																											
29																											
30																											
31																											
MEAN	.00		.00	.00	.00	.00	.00	.00	.01	.02	.02	.02	.03	.02	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.009		
NO.	22		21	22	22	22	22	22	23	22	22	21	20	21	21	23	23	23	23	23	23	23	23	23		510	
MAX	.03		.05	.03	.02	.01	.02	.02	.02	.16	.21	.11	.09	.07	.04	.04	.05	.04	.02	.04	.04	.03	.02	.04	.026		.24

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-135.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
AUG. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX
1	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01	.00	.00	.00	.004	23	.02
2	.00		.00	.00	.00	.00	.00	.00	.00	.00		.01	.02	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.003	22	.03
3*	.00		.00	.00	.00	.00	.00	.00	.00		.01	.02	.02	.02	.02	.02	.01	.01	.00	.00	.00	.01	.01	.01	.007	22	.04
4*	.00		.00	.00	.00	.00	.00	.00	.01	.01	.01	.02	.00	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.007	23	.02
5	.00		.00	.00	.00	.00	.01	.01	.01	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.006	23	.01
6	.01			.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.006	22	.01
7	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	23	.01
8	.01	.00	.00		.00	.00	.00							.02	.02	.01	.01	.02	.02	.01	.00	.00	.00	.00	.006	17	.03
9	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01	.01	.01	.01	.01	.01	.00	.00	.00	.003	23	.01
10*	.00		.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.01	.01	.00	.01	.02	.01	.02	.01	.02	.02	.02	.007	22	.03
11*	.00		.00	.00	.00	.00	.00	.00	.00	.01	.02	.02	.03	.01	.02	.03	.03	.03	.02	.01	.01	.00	.00	.00	.010	23	.04
12	.00		.00	.00	.00	.00	.00	.00				.01	.01	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.002	20	.03
13	.00		.00	.00	.00	.00	.00	.00					.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.01	.00	.001	19	.01
14	.00		.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00	.00	.003	23	.02
15	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.02	.02	.02	.02	.03	.02	.01	.01	.01	.00	.008	23	.04
16	.00		.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.02	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.003	23	.03
17*	.00		.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.01	.01	.00	.01	.01	.00	.00	.00	.00	.003	21	.01
18*	.01		.00	.00	.01	.00	.00	.00	.00	.01	.01	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.007	23	.02
19	.01		.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.02	.02	.03	.02	.02	.03	.02	.02	.01	.00	.00	.00	.009	23	.04
20	.00		.00	.00	.00	.00	.00	.00	.00	.01	.02	.02	.03	.02	.02	.01	.01	.01	.01	.00	.00	.00	.00	.00	.007	23	.06
21	.00		.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.01	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.002	23	.03
22	.00		.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00		.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.001	22	.02
23	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.001	23	.02
24*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
25*	.00		.00	.00	.00	.00	.00	.00	.01	.01	.02	.02	.01	.01	.02	.01	.02	.02	.02	.01	.00	.00	.00	.00	.007	23	.03
26	.01		.01	.02	.02	.00	.00	.00	.00	.01	.01	.02	.02	.01	.01	.01	.00	.00	.00	.00	.00	.00	.01	.01	.008	23	.03
27	.01		.01	.01	.00	.00	.00	.00	.00	.00	.00	.01	.02	.02	.02	.01	.01	.02	.02	.02	.02	.01	.01	.00	.009	23	.04
28																											
29									.00	.00	.00	.01	.01	.01		.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	15	.01
30	.00		.00	.00	.00	.00	.00	.00	.00	.00	.01		.01	.01	.00	.00	.00	.01	.01	.00	.00	.01	.01	.01	.004	22	.01
31*	.01		.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.005	23	.03
MEAN	.00		.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.005		
NO.	29	1	28	28	29	29	29	28	26	25	25	27	29	29	29	30	30	30	30	30	30	30	30	30		661	
MAX	.01	.00	.01	.02	.02	.01	.01	.01	.01	.01	.02	.02	.03	.02	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.010		.06

* Indicates Saturday or Sunday
Local standard time used

TABULATED NOV. JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-136.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

CHICAGO, ILL.

TOTAL OXIDANT
SEPT. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	.00		.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01	.00	.00	.00	.00	.00	.006	23	.03
2	.00		.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.007	23	.02
3	.00		.00	.00	.01	.00	.00	.00	.01	.01		.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.007	22	.01
4	.00		.00	.01	.01	.01	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	.006	23	.01
5	.01		.01	.01	.01	.01	.01	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.008	23	.02
6	.01		.02	.00	.00	.00	.00	.00	.00	.00	.01	.04	.01	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.01	.007	23	.06
7*	.01		.00	.00	.00	.00	.00	.01			.00	.01	.01	.01	.01	.01	.00	.00	.01	.01	.01	.01	.01	.01	.006	21	.02
8*	.01		.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.015	23	.04
9	.00		.00	.00	.00	.00	.00	.00	.01	.01	.05	.11	.08	.06	.02	.01	.01	.02	.01	.00	.00	.01	.00	.00	.016	23	.17
10	.00			.01	.00	.00	.00	.00	.00	.00	.01	.01	.02	.02	.03	.01	.01	.02	.02	.01	.01	.01	.01	.01	.009	22	.04
11	.01		.00	.00	.00	.00	.00	.00					.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.01	.01	.004	19	.03
12	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.001	23	.01
13	.01		.02	.02	.01	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.009	23	.03
14*	.02		.02	.03	.02	.02	.01	.00		.00	.01	.02	.02	.03	.03	.02	.02	.02	.02	.02	.03	.01	.02	.02	.018	22	.04
15*	.01		.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.02	.02	.01	.01	.02	.02	.02	.01	.01	.01	.00	.00	.008	23	.03
16	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.01	.02	.02	.01	.01	.01	.01	.01	.00	.00	.00	.005	23	.04
17	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.02	.01	.01	.02	.02	.02	.00	.00	.00	.00	.005	23	.03
18	.00		.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.001	22	.03
19	.00		.00	.00	.00	.00	.00	.00	.00	.02	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.003	23	.04
20	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
21*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.005	23	.02
22*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.01	.01	.00	.00	.00	.00	.01	.002	23	.01
23	.01		.02	.01	.00	.00	.00	.00				.01	.02	.03	.03	.03	.02	.02	.02	.03	.03	.03	.03	.03	.018	20	.04
24	.03	.02		.01	.01	.00	.00	.00									.00	.00	.00	.00	.00	.00	.00	.00	.005	15	.04
25	.00		.00	.00	.00	.00	.00	.00			.00	.00	.01	.01			.00	.00	.00	.00	.00	.00	.00	.00	.001	19	.01
26	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.003	23	.02
27	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.003	23	.03
28*	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.00	.01	.01	.00	.01	.00	.00	.01	.01	.002	23	.03
29*	.01			.01	.01	.02	.02	.00	.01	.01	.00	.01	.00	.01	.01	.00	.00	.00							.007	16	.02
30																											
MEAN	.00		.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.006		
NO	29	1	26	29	29	29	29	28	23	24	25	27	28	28	27	27	29	29	28	28	28	28	28	28		635	
MAX	.03	.02	.02	.03	.02	.02	.02	.01	.01	.02	.05	.11	.08	.06	.03	.03	.02	.02	.02	.03	.03	.03	.03	.03	.018		.17

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-137.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
OCT. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX
1												.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.002	11	.02
2	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.02	.02	.01	.01	.01	.00	.00	.00	.00	.00	.00	.004	23	.03
3	.00		.00	.00	.00							.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	11	.01
4	.00		.00	.01	.01				.00	.01	.00	.01	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.008	20	.02
5*	.01		.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.02	.02	.02	.03	.02	.02	.02	.01	.01	.01	.01	.01	.013	23	.04
6*	.01		.01	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.009	23	.02
7	.01		.01	.01	.01	.01	.00	.00	.01	.01	.02	.02	.01	.02	.01	.01	.01	.01	.01	.01	.00	.00	.01	.01	.009	23	.03
8	.01		.01	.01	.01	.01	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.02	.01	.01	.00	.00	.00	.00	.006	23	.02
9	.00		.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.01	.01	.02	.01	.02	.01	.00	.00	.00	.00	.00	.004	22	.03
10	.00		.00	.00	.00	.00	.00	.00	.00				.04	.03	.03	.02	.01	.01	.01	.00	.00	.00	.00	.00	.007	20	.05
11	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.02	.01	.01	.00	.01	.00	.00	.00	.00	.00	.00	.003	23	.02
12*	.00		.01	.01	.01	.00	.00	.00			.00	.00	.01	.01	.00	.00	.01	.00	.00	.00	.00	.01	.00	.00	.002	21	.01
13*	.00		.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.02	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02		.011	22	.03
14																											
15	.00		.00	.00	.00	.00	.00	.00	.00	.01	.00	.01			.02	.01	.01	.01				.00	.00	.00	.004	18	.03
16												.00	.00	.01	.02	.01	.00	.00	.02	.02	.01	.01	.02	.01	.010	13	.03
17	.00		.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.01
18	.00		.00	.00	.00	.00	.00	.00				.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	20	.01
19*	.00		.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.00	.01	.01	.004	23	.02
20*	.01		.00	.00	.00	.01	.01	.01	.01	.01	.02	.02	.01	.02	.02	.02	.02	.02	.02	.02	.02	.01	.02	.02	.013	23	.02
21	.01		.02	.02	.02	.01	.01	.00	.00	.00	.00						.01	.02	.01	.01	.01	.01	.00	.00	.009	18	.03
22																											
23																											
24																											
25																											
26*	.01		.00	.00	.01	.00	.01	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.006	23	.02
27*	.00		.01	.01	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.006	23	.01
28	.00			.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.02	.01	.01	.00	.00	.01	.01	.00	.00	.00	.01	.003	22	.02
29	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00		.00	.01	.01										.001	13	.01
30																											
31																											
MEAN	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.006		
NO.	22		21	22	22	20	20	19	19	18	19	21	22	21	22	22	23	23	22	22	22	23	23	22		490	
MAX.	.01		.02	.02	.02	.01	.01	.01	.01	.01	.02	.02	.04	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.013		.05

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-138.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

CHICAGO, ILL.

TOTAL OXIDANT
NOV. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.01		.01	.01	.01	.01	.01	.01	.00	.00	.01	.01	.02	.02	.01	.01		.01	.01	.01	.01	.01	.01	.01	.010	22	.02
2*	.01		.01	.01	.01	.01	.00	.00	.00	.00	.00			.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.003	21	.01
3*	.00		.00	.00	.00					.00	.01	.00				.01	.01		.01	.01	.00	.00	.00	.01	.004	15	.02
4	.00		.01	.01	.01	.01	.01	.01	.01	.01	.02	.02						.00	.00	.00	.00	.00	.00	.00	.007	18	.02
5																											
6																											
7																											
8																											
9*	.01	.01	.01	.01	.01	.01	.01	.01	.01		.00						.00	.00	.00	.01	.00	.00	.00	.00	.005	18	.01
10*																											
11											.02	.02	.02	.03	.03	.02	.01	.01	.01	.00	.00	.01	.01	.00	.014	14	.03
12	.01			.00	.00	.00	.00	.00	.01	.01	.01	.02	.01	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.007	22	.02
13																											
14																											
15	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01							.00	.00	.00	.00	.01	.01	.01	.01	.008	18	.01
16*	.01		.00	.00	.00	.00	.00	.00	.00			.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.006	21	.01
17*																											
18																											
19																											
20																											
21																											
22																											
23*																											
24*																											
25																											
26																											
27																											
28																											
29																											
30*																											
MEAN	8	2	7	8	8	7	7	7	7	6	7	6	4	5	5	6	7	8	9	9	9	9	9	9		169	
NO.	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.03	.03	.02	.01	.01	.01	.01	.01	.01	.01	.01	.014		.03
MAX.																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-139.

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
DEC. 1963

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX.
1*																											
2																											
3																											
4																											
5																											
6																											
7*																											
8*																											
9																											
10																											
11																											
12																											
13																											
14*																											
15*																											
16																											
17																											
18																											
19																											
20																											
21*																											
22*																											
23																											
24																											
25																											
26																											
27																											
28*																											
29*																											
30																											
31																											
MEAN																									.000		.00
NO.																											
MAX.																											

NO VALID DATA

* Indicates Saturday or Sunday
Local standard time used

TABULATED MON., JAN. 20, 1969

TABULATED 02/06/69

Table 3-140.
CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

CHICAGO ILLINOIS — JAN/63

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01															
02															
03															
04															
05															
06															
07															
08							1.3	2.1	2.2	1.6	2.9	2.9			
09	1.2	1.6	2.0	3.4	3.8	3.2	2.9	2.1	2.4	2.3	1.3	1.5	2.36	12	3.8
10	1.1	0.6	2.9	4.5	1.2	1.3	0.6	0.8	1.2	1.2	1.0	0.7	1.21	12	2.9
11	0.6	0.6	1.4	1.7	1.9	1.2	1.1	1.5	1.2	1.7	1.7	1.8	1.40	12	1.9
12	1.8	1.4	1.5	1.8	1.5	1.7	1.5	1.4	1.2	1.4	1.8	1.6	1.58	12	1.8
13	1.8	1.8	1.7	2.6	2.4	2.7	2.1	1.7	2.2	2.1	2.2	2.1	2.16	12	2.7
14	1.9	1.9	2.1	2.5	2.9	3.1	2.5						2.46	07	3.1
15															
16															
17															
18							1.7	1.6	2.2	2.4	2.0	2.5			
19	2.2	1.7	2.6	2.3	1.1	1.0	1.1	2.7	2.5	2.1	2.0	2.3	2.01	12	2.7
20	2.3	1.5	1.7	1.4	1.2	1.3	1.4	1.2	1.5	1.7	1.3	1.4	1.54	12	2.3
21	1.7	1.7	2.0	2.7	3.2	2.4	2.4	2.3	2.6	2.0	3.2	2.6	2.44	12	3.2
22	2.1	3.6	4.5	4.0	2.6	2.7	3.1	2.7	2.3	2.1	2.0	1.8	2.82	12	4.5
23	1.8	1.9	2.2	2.0	2.5	2.2	1.9	1.8	2.2	2.0	2.1	2.4	2.11	12	2.5
24	2.3	1.6	2.4	4.5	2.0	1.6	1.2	2.4	2.6	2.4	3.1	2.9	2.29	12	3.1
25	3.2	4.3	4.6	5.5	5.3	4.3	3.2	4.1	4.9	5.4	4.9	4.8	4.60	12	5.5
26	5.0	3.9	4.2	5.4	5.7	5.5	3.7	4.1	3.1	3.1	2.9	2.9	4.16	12	5.7
27	2.3	2.9	2.6	3.2	2.1	2.3	1.6	2.2	3.0	2.6	3.1	3.1	2.65	12	3.2
28	3.5	4.3	5.2	5.8	6.9	3.2	3.2	2.4	3.5	4.8	4.0	3.8	4.34	12	6.9
29	3.2	3.7	4.4	4.5				3.0	3.1	3.0	2.4	2.4	3.34	09	4.5
30	2.3	2.1	2.2	2.4	2.5	2.7	2.4	2.6	2.8	2.7	1.9	2.5	2.47	12	2.8
31	1.9	4.2	4.7	4.5	5.0	3.8	2.7	3.0	4.1	3.8	2.8	3.7	3.72	12	5.0
AVG	2.22	2.38	2.88	3.19	2.98	2.57	2.14	2.33	2.57	2.57	2.42	2.46	2.57		
N(3)	19	19	19	19	18	18	18	18	18	18	18	18		220	
MAX*	5.0	4.3	5.2	5.8	6.9	5.5	3.7	4.1	4.9	5.4	4.9	4.8	4.60		6.9

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

TABULATED 02/06/69

Table 3-141.
CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

CHICAGO ILLINOIS — FEB/63

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	3.6	3.2	4.4	6.2	5.3	4.5	4.5	3.2	4.1	3.0	2.5	2.8	3.97	12	6.2
02	2.5	2.6	4.1	3.9	2.2	1.6	1.5	1.3	1.6	1.5	1.7	1.5	2.20	12	4.1
03	1.4	1.5	1.6	2.1	2.4	3.0	2.5	3.0	3.0	3.4	3.4	2.6	2.54	12	3.4
04	1.9	1.9	2.1	4.4	2.2	2.2	2.0	2.0	2.8	2.9	3.5	4.2	2.55	12	4.2
05	3.8	3.0	2.2	2.1	2.6	1.5	1.4	1.9	1.8	3.3	5.5	3.1	2.72	12	5.5
06	2.6	2.4	4.0	3.6	3.4	3.0	2.6	2.1	2.5	2.5	2.4	2.1	2.81	12	4.0
07	1.5	1.2	1.8	2.7											
08							2.2	1.8	1.7	1.3	1.3	0.9			
09	0.9	1.6	2.1	4.5	3.0	2.4	2.2	2.4	2.9	3.2	2.5	3.9	2.60	12	3.9
10	3.4	2.7	1.1	1.0	3.2	3.0	1.8	1.5	1.5	1.9	1.3	2.0	2.08	12	3.4
11	2.1	1.8	2.5	3.1	2.6	2.2	1.9	2.2	1.9	2.6	3.1	3.0	2.47	12	3.1
12	2.9	3.8	5.9	7.1	6.1	3.0	3.0	3.8	2.8	4.1	3.1	3.4	4.11	12	7.1
13	3.7	2.5	3.7	5.3	4.2	2.1	2.4	2.3	2.3	2.6	2.4	2.0	3.02	12	5.3
14	1.7	1.7	2.2	4.5	3.5	2.5	0.8	1.9	1.8	1.4	1.7	1.8	2.08	12	3.5
15	1.7	1.7	2.1	4.5	2.9	1.7	2.0	1.7	1.9	1.9	2.3	3.3	2.26	12	3.5
16	3.4	2.8	2.5	4.6	2.6	2.1	2.0	2.3	2.7	2.0	2.0	1.8	2.44	12	3.4
17	1.7	1.4	2.0	2.0	1.9	2.1	2.1	1.7	2.1	2.6	2.8	2.0	2.07	12	2.8
18	1.7	2.9	3.0	3.4	2.2	1.9	1.3	1.5	2.1	2.0	2.4	2.0	2.25	12	3.4
19	2.2	1.9	1.3	1.9	3.7	2.8	2.6	2.1	2.4	1.6	1.4	1.5	2.15	12	3.7
20	1.4	1.3	1.5	4.4	1.8	2.0	1.5	1.4	1.7	1.5	1.5	1.7	1.88	12	2.4
21	1.4	1.6	1.7	2.3	2.5			1.9	1.3	1.2	1.5	1.8	1.75	10	2.5
22	2.1	2.5	2.7	2.7	2.8	2.1	1.8	1.7	2.3	2.6	2.6	2.1	2.38	12	2.8
23	2.6	2.6	3.4	3.3	3.3	2.7	3.3	2.3	1.1	1.4	1.3	2.3	2.51	12	3.4
24	2.0	1.2	1.5	3.1	2.5	2.3	1.5	1.7	2.0	1.9	1.8	1.6	1.95	12	3.1
25	2.1	2.5	2.2	4.5	1.6	1.4	1.8	2.0	2.2	2.1	1.9	3.0	2.06	12	3.0
26	2.8	2.7	3.0	4.3	4.7	2.6	1.9	1.3	2.1	1.9	2.1	1.9	2.65	12	4.7
27	1.5	2.2	2.5	4.5	2.4	3.0	3.3	3.2	3.6	1.9	2.6	3.2	2.71	12	3.6
28	2.5	1.5	1.7	2.1	1.9	1.5	1.1	1.1	1.4	1.5	1.4	0.7	1.56	12	2.5
AVG	2.29	2.21	2.57	3.13	2.98	2.36	2.11	2.05	2.22	2.25	2.33	2.35	2.40		
N(3)	26	26	26	26	26	25	25	26	26	26	26	26		310	
MAX*	3.8	3.8	5.9	7.1	6.1	4.5	4.5	3.8	4.1	4.1	5.5	4.2	4.11		7.1

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

TABULATED 02/06/69

Table 3-142.
CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH — TIME (STARTING HOUR) — CHICAGO ILLINOIS — MARCH/69

DAY OF MONTH	0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	0.8	0.7	1.3	2.0	1.7	1.2	1.7	1.8	2.2	1.3	4.0	3.4	1.88	12	4.0
02	2.9	3.3	3.5	3.7	3.6	2.3	1.9	1.9	2.3	2.6	2.8	2.0	2.77	12	3.7
03	1.9	2.2	2.3	3.1	3.1	2.3	1.6	1.6	1.4	1.2	0.9	1.5	1.95	12	3.1
04	2.1	2.0	1.0	3.2	2.8	1.9	2.0	1.6	1.5	0.9	1.0	1.6	1.84	12	3.2
05	1.0	0.7	1.1	1.4	1.5	1.7	1.6	1.8	1.4	1.5	2.4	1.6	1.52	12	2.4
06	1.6	0.7	1.8	2.6	1.5	1.7	1.6	2.1	2.1	1.6	1.7	1.4	1.74	12	2.6
07	1.6	1.6	1.9	2.8	3.2	1.5	1.6	1.5	2.4	1.3	1.1	1.3	1.86	12	3.2
08	1.0	1.3	2.2	2.9	2.1	1.9	0.9	1.8	1.4	1.6	1.4	1.7	1.73	12	2.9
09	1.5	0.9	1.2	1.1	0.7	0.7	0.8	1.2	1.2	1.3	1.4	1.0	1.11	12	1.5
10	0.7	1.0	0.6	1.7	1.0	1.1	0.4	1.3	1.0	1.0	1.2	1.5	1.08	12	1.7
11	0.7	0.3	0.7	1.7	1.1	0.7	0.8	1.7	3.2	2.6	3.4	4.6	1.82	12	4.6
12	3.5	2.7	2.6	4.6	4.5	3.1	2.7	1.9	1.8	1.6	1.2	1.3	2.66	12	4.6
13	1.2	0.9	1.7	2.3	1.6	1.8	1.5	1.5	2.1	2.9	3.2	4.4	2.12	12	4.4
14	4.4	4.3	3.1	2.8	3.4	1.6	1.4	0.6	0.7	0.7	0.7	3.8	2.32	12	4.4
15	4.0	3.0	3.9	6.1	2.7	1.3	1.2	1.1	0.9	1.3	1.5	1.6	2.42	12	6.1
16	2.2	1.8	2.3	3.5	2.7	2.1	2.5	2.3	2.3	1.2	0.9	1.4	2.13	12	3.5
17	0.9	0.5	0.6	0.9	1.2	1.6	1.6	1.9	1.5	1.7	1.4	1.6	1.33	12	1.9
18	1.2	0.7	0.9	1.3	1.1	1.0	0.6	0.9	1.3	0.8	0.8	0.8	0.99	12	1.3
19	0.6	0.6	0.4	0.9	0.8	1.8	2.0	0.9	1.4	1.0	1.4	1.0	1.11	12	2.0
20	0.8	0.7	1.6	1.8	1.6	1.5	1.3	1.7	1.4	1.3	1.2	1.1	1.37	12	1.8
21	1.5	1.0	2.3	2.2	1.9	1.6	1.4	1.6	1.9	2.1	2.0	2.5	1.87	12	2.5
22	2.2	2.2	1.8	4.0	1.3	0.3	0.4	0.3	0.8	3.0	3.4	2.3	1.87	12	4.0
23	1.9	1.2	2.0	2.5	2.1	1.1	1.1	0.9	1.1	1.2	1.2	1.2	1.51	12	2.5
24	0.6	1.0	1.2	1.1	0.7	0.4	0.8	0.8	0.6	0.9	1.2	1.0	0.89	12	1.2
25	0.7	0.7	2.0	2.2	1.9	1.3	1.4	1.0	1.7	0.9	1.1	1.3	1.40	12	2.2
26	0.9	0.6	0.8	2.4	2.0	1.7	1.7	1.8	2.0	1.6	2.7	2.0	1.72	12	2.7
27	2.4	2.2	2.5	2.9	2.7	1.0	0.7	1.3	1.6	1.5	4.5	4.3	2.34	12	4.5
28	1.6	1.8	2.2	2.9	1.7	0.8	2.7	2.9	3.5	3.4	2.4	2.1	2.37	12	3.5
29	1.8	1.6	2.3	2.4	1.3	0.5	0.6	0.9	1.1	1.5	1.6	2.0	1.51	12	2.4
30	2.1	2.0	2.5	4.5	2.7	2.4	1.4	1.6	1.7	1.1	1.0	0.8	2.02	12	4.5
31	1.0	0.7	0.8	0.7	0.9	0.8	0.4	0.6	0.6	0.7	1.8	2.6	1.02	12	2.6
AVG	1.65	1.44	1.77	2.52	1.97	1.44	1.36	1.44	1.61	1.52	1.82	1.95	1.70		
N(3)	31	31	31	31	31	31	31	31	31	31	31	31		372	
MAX*	4.4	4.3	3.9	6.1	4.5	3.1	2.7	2.9	3.5	3.4	4.5	4.6	2.77		6.1

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

TABULATED 02/06/69

Table 3-343.
CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH — TIME (STARTING HOUR) — CHICAGO ILLINOIS — APRIL/63

DAY OF MONTH	0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	2.5	2.4	3.4	4.8	2.6	1.9	1.7	1.3	1.3	2.2	1.6	1.0	2.28	12	4.8
02	0.8	1.2	1.4	2.3	1.7	0.9	0.5	0.7	0.9	0.7	1.0	0.7	1.11	12	2.3
03	0.6	0.8	0.8	1.1	1.0	0.5	0.5	0.6	0.4	0.6	0.6	0.5	0.71	12	1.1
04	0.6	0.2	0.9	1.4	1.0	1.1	0.8	0.8	0.9	1.1	2.0	2.4	1.15	12	2.4
05	3.0	2.9	3.2	4.5	1.9	0.8	0.8	0.6	1.0	1.3	1.3	1.4	1.85	12	3.5
06	1.2	1.0	1.5	1.9	1.7	1.6	1.2	0.9	0.8	0.8	0.8	0.9	1.23	12	1.9
07	0.8	0.6	0.7	0.7	0.7	0.5	1.1	1.6	1.0	1.1	0.6	1.0	0.90	12	1.6
08	0.8	0.5	0.6	0.7	1.2	0.6	0.9	1.0	1.4	0.9	0.9	0.7	0.90	12	1.4
09	0.7	0.5	0.9	1.6	0.9	1.1	0.8	0.6	1.0	0.7	0.7	0.7	0.90	12	1.6
10	0.5	0.7	0.5	0.9	0.8	0.7	1.1	0.8	0.9	0.8	1.6	3.3	1.09	12	3.3
11	2.7	1.2	0.8	1.2	1.0	0.8	0.6	0.7	0.9	1.0	1.2	1.4	1.16	12	2.7
12	1.1	2.2	2.7	4.3	2.0	0.3	0.4	0.5	0.9	2.0	2.0	1.9	1.74	12	4.3
13	1.5						0.9	0.7	0.9	0.4	1.2	3.8	1.38	07	3.8
14	4.2	3.4	3.4	4.2	1.7	0.6	0.4	0.8	0.8	0.6	1.1	5.4	2.26	12	5.4
15	3.0	2.7	3.0	3.6	2.6	1.2	1.0	1.1	0.7	2.0	2.3	1.4	2.10	12	3.6
16	1.0	1.0	1.5	2.0	1.4	1.0	1.0	0.7	1.2	1.5	1.7	1.4	1.32	12	2.0
17	0.8	1.2	1.4	3.3	1.5	0.6	0.5	1.3	2.2	1.4	1.3	1.2	1.43	12	3.3
18	0.8	0.3	0.6	0.5	0.7	0.6	0.9	1.1	1.6	1.3	1.7	2.2	1.06	12	2.2
19	1.7	1.1	1.8	1.7	1.2	1.6	1.8	0.6	1.0	0.7	0.6	0.5	1.24	12	1.8
20	0.4	0.7	1.2	1.5	0.5	0.9	0.5	1.0	0.8	1.0	2.2	1.3	1.03	12	2.2
21	0.9	1.0	0.7	1.1	0.6	0.2	0.5	0.4	0.5	0.5	0.7	1.0	0.72	12	1.1
22	0.3	0.5	0.6	1.1	1.0	0.5	0.7	0.9	1.1	0.6	0.6	0.9	0.77	12	1.1
23	1.6	0.8	1.2	2.3	2.2	1.4	1.5	1.3	1.7	1.6	1.9	1.8	1.63	12	2.3
24	1.6	1.3	1.5	2.7	1.4	0.9	0.7	0.4	0.4	0.8	1.1	1.3	1.22	12	2.7
25	3.3	2.9	3.7	5.6	3.9	1.5	1.2	2.2	2.4	1.6	1.5	1.0	2.60	12	5.6
26	0.7	0.7	1.5	5.1	2.9	1.9	1.2	1.2	1.6	1.5	1.8	1.5	1.84	12	5.1
27	1.4	2.3	0.9	5.7	1.3	1.3	2.1	3.6	5.1	5.0	5.5	5.2	3.17	12	5.5
28	5.1	2.6	1.5	2.1	2.5	0.6	0.8	1.0	0.9	0.2	0.5	0.6	1.58	12	5.1
29	0.5	1.0	2.7	3.2	3.0	1.2	1.1	0.8	1.3	1.1	2.2	1.2	1.64	12	3.2
30	1.0	0.6	1.5	2.1	2.3	1.9	1.1	1.2	1.6	1.5	1.4	1.0	1.45	12	2.3
AVG	1.50	1.32	1.58	2.42	1.62	0.98	0.94	1.01	1.24	1.21	1.45	1.62	1.41		
N(3)	30	29	29	29	29	29	30	30	30	30	30	30		355	
MAX*	5.1	3.4	3.7	5.6	3.9	1.9	2.1	3.6	5.1	5.0	5.5	5.4	3.17		5.6

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

TABULATED 02/06/69

Table 3-144.
CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH — TIME (STARTING HOUR) — CHICAGO ILLINOIS — MAY/63

DAY OF MONTH	0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	0.2	0.8	0.9	0.8	0.3	0.5	0.4	0.7	0.6	1.3	3.0	1.6	0.96	12	3.0
02	1.2	1.6	2.1	2.8	1.9	0.8	0.7	0.8	0.5	1.3	1.0	1.0	1.35	12	2.8
03	1.1	1.1	1.9	3.3	1.3	1.2	1.0	0.6	0.8	1.0	1.8	1.6	1.43	12	3.3
04	1.0	0.7	0.7	1.0	1.0	0.9	1.0	1.8	1.4	1.0	0.9	0.9	1.06	12	1.8
05	0.9	0.7	0.7	0.6	0.8	0.9	0.6	1.3	1.0	0.8	1.0	1.1	0.91	12	1.3
06	1.7	1.9	2.3	3.1	2.3	1.1	1.0	1.9	1.6	1.0	1.7	5.3	2.11	12	5.3
07	3.5	2.9	3.4	3.4	1.5	0.8	0.7	0.5	0.7	0.7	1.0	0.6	1.69	12	3.5
08	0.8	0.6	1.1	0.7	0.7	0.7	0.7	0.6	0.7	1.0	0.6	0.9	0.81	12	1.1
09	1.1	0.9	1.3	1.5	0.9	0.9	0.8	0.7	0.9	1.0	1.3	1.1	1.07	12	1.5
10	0.8	0.8	1.0	1.3	1.1	0.8	1.2	1.0	1.1	0.7	0.8	0.8	0.98	12	1.3
11	0.4	0.5	0.9	0.7	0.5	0.5	0.6	0.6	0.7	0.4	0.3	0.7	0.60	12	0.9
12	0.7	0.6	0.1	0.4	0.1	0.5	0.5	0.7	0.7	0.6	0.4	0.8	0.55	12	0.8
13	1.1	1.7	2.5	3.1	2.3	1.1	1.0	0.5	0.3	0.3	0.9	0.5	1.32	12	3.1
14	0.9	0.8	1.1	0.7	0.4	0.6	0.4	0.9	0.8	0.5	0.6	0.6	0.73	12	1.1
15	0.8	0.6	0.9	1.4	1.1	1.3	0.9	1.6	1.4	1.5	1.2	0.8	1.17	12	1.6
16	0.4	0.7	1.1	1.7	1.2	1.1	1.2	1.4	1.8	1.3	1.2	1.2	1.23	12	1.8
17	1.0	1.0	1.2	2.2	1.8	1.6	1.7	1.8	1.7	1.8	2.0	2.7	1.75	12	2.7
18	1.7	2.3	2.0	2.0	0.9	0.5	0.5	0.1	0.5	0.8	0.8	0.8	1.12	12	2.3
19	0.9	1.1	1.1	1.5	2.0	1.1	0.5	0.3	0.3	0.7	0.6	0.3	0.92	12	2.0
20	0.8	0.9	2.4	2.3	1.3	1.0	0.7	1.0	0.9	1.2	1.2	0.9	1.26	12	2.4
21	0.7	0.6	1.5	2.3	1.6	1.0	0.9	1.1	0.9	1.0	1.3	1.5	1.24	12	2.3
22	0.8	1.1	1.9	2.6	1.6	1.3	1.4	1.1	0.9	0.7	1.6	1.7	1.43	12	2.6
23	1.7	2.9	4.2	3.9	1.7	0.7	0.6	0.6	0.7	0.7	0.6	0.5	1.59	12	4.2
24		2.8	4.6	3.4	1.3	0.8	0.8	0.9	1.6	1.3	1.3	0.7	1.82	11	4.6
25	0.8	1.9	1.7	2.9	2.3	1.7	1.0	0.9	0.8	0.8	0.9	0.8	1.41	12	2.9
26	0.7	1.1	1.1	1.0	1.0	0.4	0.8	1.1	0.8	0.7	1.0	1.1	0.95	12	1.1
27	1.0	0.7	1.0	2.0	1.5	0.8	2.5	3.0	2.2	1.7	2.3	1.5	1.72	12	3.0
28	1.5	1.1	2.1	3.9	3.3	2.2	2.0	2.1	3.2	2.4	4.0	3.4	2.64	12	4.0
29	2.5	2.7	3.2	3.1	2.0	0.9	1.1	1.2	1.4	0.8	1.1	1.2	1.81	12	3.2
30	2.8	2.8	3.2	2.3	1.3	0.8	1.6	1.2	0.9	0.8	0.9	0.7	1.65	12	3.2
31	1.8	2.8	2.3	1.7	0.9	0.7	0.9	0.6	0.7	0.5	1.6	1.4	1.35	12	2.8
AVG	1.17	1.37	1.79	2.05	1.35	0.94	0.95	1.05	1.04	0.97	1.25	1.24	1.27		
N(3)	30	31	31	31	31	31	31	31	31	31	31	31		371	
MAX*	3.5	2.9	4.6	3.9	3.3	2.2	2.5	3.0	3.2	2.4	4.0	5.3	2.64		5.3

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

TABULATED 02/06/69

Table 3-145.
CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

CHICAGO ILLINOIS — JUNE/63

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	1.3	1.5	1.5	1.1	0.7	1.2	0.4	0.5	0.9	0.9	1.7	1.4	1.13	12	1.7
02	1.5	1.3	1.1	0.8	0.5	0.2	0.7	1.1	0.7	0.7	1.1	0.9	0.91	12	1.5
03	1.1	1.3	1.6	2.5	2.2	2.1	1.6	1.0	1.0	0.8	0.9	1.4	1.51	12	2.5
04	1.3	1.7	0.9	1.2	1.0	0.7	0.8	1.6	1.6	1.2	1.4	1.4	1.28	12	1.7
05	3.0	3.5	2.3	1.8	1.3	1.5	2.3	2.6	0.8	1.0	1.5	1.0	1.93	12	3.5
06	0.8	0.9	1.3	1.9	1.5	0.7	0.9	2.8	0.8	0.9	1.1	1.5	1.31	12	2.8
07	1.5	1.7	2.0	3.2	2.4	1.6	1.3	1.5	1.7	1.4	0.9	1.8	1.80	12	3.2
08	0.9	1.1	1.2	1.6	1.4	1.4	1.1	0.4	0.7	1.1	2.0	0.4	1.15	12	2.0
09	0.7	1.5	0.8	1.0	0.9	0.7	1.0	0.7	0.7	0.8	0.9	1.5	0.99	12	1.5
10	0.8	1.0	1.4	1.5	0.9	0.7	0.7	0.7	1.0	0.8	1.2	0.5	0.98	12	1.5
11	0.7	0.3	0.5	1.4	0.8	0.5	0.5	0.7	0.9	0.4	0.6	0.9	0.71	12	1.4
12	0.6	0.6	0.7	1.3	0.7	0.8	0.5	0.8	0.4	0.6	0.4	0.6	0.71	12	1.3
13	0.6	2.9	2.3	3.0	1.5	1.5	1.3	0.8	0.9	1.4	1.7	1.5	1.66	12	3.0
14	2.4	2.3	1.2	1.2	1.1	1.0	1.0	1.0	1.1	1.6	2.1	2.0	1.52	12	2.4
15	1.9	1.7	1.4	0.7	0.7	0.5	0.5	0.3	0.7	0.5	1.0	1.8	1.01	12	1.9
16	3.0	2.8	2.6	1.8	0.6	0.4	0.5	0.4	0.7	0.8	1.6	2.9	1.56	12	3.0
17	2.1	1.8	2.3	2.9	1.8	0.9	0.6	0.8	1.0	0.8	2.7	3.0	1.76	12	3.0
18	2.2	2.6	2.4	1.4	1.3	1.3	1.6	1.6	1.3	1.3	1.7	1.5	1.73	12	2.6
19	0.4	0.6	1.3	1.6	0.7	0.9	0.8	0.7	0.8	1.1	1.2	1.3	0.99	12	1.6
20	0.8	0.1	0.1	0.9	0.8	0.8	0.9	1.2	0.5	0.6	1.0	0.9	0.76	12	1.2
21	0.6	0.5	0.5	0.7	1.0	0.5	0.3	0.6	0.6	0.5	0.3	0.9	0.63	12	1.0
22	1.7	1.4	0.5	0.4	0.3	0.5	0.8	0.7	0.5	0.5	0.8	0.8	0.77	12	1.7
23	0.3	0.7	0.5	1.3	1.2	0.9	0.7	0.3	0.9	0.8	0.8	0.5	0.77	12	1.3
24	0.7	0.7	1.0	2.8	2.0	1.7	1.7	1.8	1.8	1.4	1.2	1.0	1.54	12	2.8
25	0.9	1.2	2.1	3.3	2.4	2.6	2.7	2.5	1.9	1.3	1.5	2.0	2.07	12	3.3
26	3.1	3.0	2.1	2.4	1.6	1.3									
27															
28															
29															
30															
AVG	1.27	1.42	1.34	1.65	1.18	1.02	1.00	1.08	0.95	0.92	1.25	1.33	1.20		
N(3)	25	25	25	25	25	25	25	25	25	25	25	25		300	
MAX*	3.0	3.5	2.6	3.3	2.4	2.6	2.7	2.8	1.9	1.6	2.7	3.0	2.07		3.5

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

TABULATED 02/06/69

Table 3-146.

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH | TIME (STARTING HOUR) | CHICAGO ILLINOIS | JULY/63

DAY OF MONTH	0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01															
02															
03															
04															
05															
06															
07															
08															
09															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
31															
AVG N(3)															
MAX*															

NO VALID DATA

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

TABULATED 02/06/69

Table 3-147.
CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH | TIME (STARTING HOUR) | CHICAGO ILLINOIS | AUG/63

DAY OF MONTH	0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01															
02															
03															
04															
05															
06															
07															
08															
09															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
31															
AVG															
N(3)														000	
MAX*													.0		0.0

NO VALID DATA

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 3-148.

TABULATED 02/06/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
					CHICAGO ILLINOIS										SEPT/63
01															
02															
03					3.0	2.1	2.3	2.5	1.7	1.0	0.8	0.2	1.74	08	3.0
04	0.2	0.5	0.7	1.9	1.7	1.3	1.2	1.7	1.2	0.9	1.3	0.9	1.15	12	1.9
05	1.2	0.7	1.0	1.6	1.4	1.1	1.3	1.5	1.3	1.0	1.0	1.1	1.23	12	1.6
06	0.5	3.2	5.7	4.9	2.9	2.4	1.9	2.0	1.9	2.1	2.7	2.2	2.74	12	5.7
07	2.2	1.3	2.2	2.6	2.6	1.7	1.3	1.2	1.0	0.6	0.8	1.3	1.61	12	2.6
08	0.8	0.6	0.3	0.3	0.6	0.9	0.8	1.3	1.3	1.1	0.9	2.2	0.97	12	2.2
09	5.3	4.2	3.4	5.4	3.8	3.8	2.8	2.2	2.2	1.5	1.1	0.9	3.09	12	5.4
10	0.6	0.5	1.4	2.8	2.0	1.4	1.6	1.8	2.1	1.7	1.7	1.3	1.61	12	2.8
11	2.2	1.9	2.1	3.3	3.0	2.7	1.7	1.7	2.0	1.0	1.0	1.3	2.03	12	3.3
12	1.1	1.6	1.4	2.8	2.3	1.3	1.5	1.8	1.3	0.6	0.4	0.6	1.44	12	2.8
13	0.7	0.5	0.8	2.1	2.1	1.4	1.6	1.9	1.7	1.2	1.6	0.9	1.41	12	2.1
14	0.9	0.7	0.4	1.4	2.2	1.3	1.5	1.6	1.5	1.7	1.7	1.2	1.36	12	2.2
15	1.9	2.9	3.6	3.7	3.3	1.2	1.2	0.9	1.4	1.8	1.3	3.1	2.24	12	3.7
16	3.9	5.4	4.7	5.5	3.5	3.1	2.0	2.2	1.9	1.1	1.7	2.5	3.15	12	5.5
17	2.8	1.8	2.5	3.0											
18															
19															
20															
21															
22															
23															
24															
25	1.5	1.0	1.2	1.6	1.1	0.9	1.0	0.9	1.5 1.1	1.3 2.3	2.8 3.0	1.8 2.0	1.50	12	3.0
26	3.1	2.8	1.9	3.0	2.5	1.1	1.2	1.3	1.2	1.0	1.1	2.5	1.94	12	3.1
27	2.4	1.5	1.5	1.9	1.5	0.8	0.9	0.8	1.3	1.9	2.0	1.8	1.56	12	2.4
28	1.1	0.9	2.7	2.9	3.3	3.1	1.2	1.0	1.9	0.9	0.2	0.5	1.69	12	3.3
29	0.0	0.1	0.5	0.5	0.5	0.8	0.7	0.7	1.3	2.0	2.1	2.9	1.06	12	2.9
30	3.2	2.5	2.6	3.5	4.5	3.0	2.2	2.0	2.2	4.1	4.5	3.1	3.15	12	4.5
AVG	1.79	1.79	2.01	2.70	2.39	1.77	1.49	1.55	1.57	1.47	1.54	1.62	1.79		
N(3)	20	20	20	20	20	20	20	20	20	20	20	20		236	
MAX*	5.3	5.4	5.7	5.5	4.5	3.8	2.8	2.5	2.2	4.1	4.5	3.1	3.15		5.7

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

TABULATED 02/06/69

Table 3-149.
CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

CHICAGO ILLINOIS — OCT/63

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	2.0	1.9					1.1	1.1	1.8	1.4	1.5	1.7	1.60	08	2.0
02	0.9	1.0	1.3	2.9	2.6	1.5	1.5	1.4	1.6	1.8	1.3	1.3	1.64	12	2.9
03	1.7	1.7	2.4	3.0	2.0	1.4	1.2	0.9	1.3	1.2	0.8	0.8	1.56	12	3.0
04	0.5	0.5	1.0	1.3	0.7	0.7	0.9	1.3	1.3	1.1	0.7	2.7	1.11	12	2.7
05	1.9	2.8	3.3	2.7	2.6	1.3	0.9	1.1	1.5	1.5	1.3	0.7	1.83	12	3.3
06	1.0	1.1	1.1	1.2	1.4	1.1	0.9	1.1	1.2	1.7	1.0	1.0	1.19	12	1.7
07	1.1	1.5	1.6	2.5	2.0	1.9	1.5	1.4	1.2	0.9	0.7	1.1	1.48	12	2.5
08	1.0	1.9	3.6	4.1	3.1	2.0	1.9	2.1	1.9	1.4	3.8	3.5	2.57	12	4.1
09	2.8	2.4	2.5	4.5	3.4	1.3	1.9	2.8	1.8	2.5	3.7	2.6	2.73	12	4.5
10	2.0	2.4	3.0	3.4	2.8	1.6	1.5	1.5	2.0	1.8	2.1	1.6	2.18	12	3.4
11	2.6	2.2	2.9	2.8	2.8	1.8	1.4	2.0	1.6	1.2	0.9	1.0	1.98	12	2.9
12	0.7	0.5	0.5	1.0	0.9	1.1	1.1	1.0	0.8	0.7	0.9	1.3	0.92	12	1.3
13	0.5	0.6	3.4	3.7	2.9	1.3	1.0	0.9	1.3	1.4	1.3	1.4	1.68	12	3.7
14	3.0	2.8	4.2	5.0	4.5	3.1	2.9	3.4	2.5	2.0	1.5	3.2	3.21	12	5.0
15	3.4	3.5	3.7	4.5	3.2	2.6	2.2	3.3	2.8	3.4	3.1	2.3	3.20	12	4.5
16	1.8	2.6	4.5	3.8	4.0	3.4	3.6	2.6	2.8	2.9	2.5	2.6	3.21	12	4.8
17	2.6	2.9	3.6	3.2	2.8	3.6	2.0	2.3	2.9	2.9	2.1	1.7	2.75	12	3.6
18	1.8	2.6	2.7	4.3	3.2	2.2	1.6	1.3	1.9	2.0	1.6	1.2	2.22	12	4.3
19	0.8	0.6	0.6	1.8	1.8	1.4	1.4	1.6	2.0	1.7	1.8	1.7	1.48	12	2.0
20	1.6	1.1	0.8	0.6	1.1	1.0	0.6	1.2	0.9	0.7	0.8	0.7	0.96	12	1.6
21	0.8	0.8	0.9	2.9	1.5	1.2	1.3	1.6	1.6	1.2	1.4	1.6	1.44	12	2.9
22	1.7	1.7	2.3	3.1											
23															
24															
25								1.4	1.8	2.3	2.1	1.9			
26	2.2	1.7	1.7	1.9	1.5	0.8	0.8	0.7		2.0	1.4	1.3	1.50	11	2.2
27	0.8	0.5	0.6	0.4	0.5	0.8	0.8	1.0	1.7	2.2	2.0	1.5	1.11	12	2.2
28	1.2	1.9	1.6	4.0	3.2	1.8	1.8	1.8	2.1	2.0	1.6	1.7	2.10	12	4.0
29	1.7	1.3	2.1	3.6	3.8	2.9	1.3	2.4	2.8	2.2	3.3	4.9	2.72	12	4.9
30	5.4	3.9	2.9	4.2	3.2	2.2	2.0	2.1	2.2	3.0	1.7	1.8	2.93	12	5.4
31	1.7	1.5	2.0	4.0	3.6	3.3	3.3	3.5	3.9	2.6	2.1	1.7	2.82	12	4.0
AVG	1.75	1.78	2.25	3.01	2.50	1.81	1.57	1.75	1.89	1.82	1.73	1.80	1.96		
N(3)	27	27	26	26	26	26	27	27	27	27	27	27		319	
MAX*	5.4	3.9	4.5	5.0	4.5	3.6	3.6	3.5	3.9	3.4	3.8	4.9	3.21		5.4

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 3-150.
CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

TABULATED 02/06/69

CHICAGO ILLINOIS

NOV/63

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	1.5	1.1	1.4	3.7	2.7	2.4	3.1	2.7	2.3	2.1	2.0	1.9	2.28	12	3.7
02	1.6	1.6	1.8	3.0	2.9	2.2	1.5	1.7	2.7	2.9	4.3	4.6	2.60	12	4.6
03	3.5	2.9	2.7	2.3	2.6	1.7	1.9	2.1	2.1	1.6	1.8	1.7	2.29	12	3.5
04	1.3	1.5	1.6	3.9	3.5	3.0	2.5	2.6	3.2	2.5	2.4	1.9	2.54	12	3.9
05	2.0	1.5	2.3	3.7	3.5	3.6	2.6	3.5	2.6	1.9	2.8	2.8	2.77	12	3.7
06	2.1	1.8	2.3	3.2	2.7	2.0	1.8	1.7	2.6	2.2	1.9	1.7	2.19	12	3.2
07	3.5	4.6	4.8	5.5	5.7	2.2	2.0	2.5	2.8	2.4	3.1	1.7	3.44	12	5.7
08	2.2	4.5	3.6	6.0	5.3	3.1	1.4	1.9	2.1	0.6	3.6	4.6	3.30	12	6.0
09	3.2	2.4	2.2	3.2	3.4	2.4	2.5	2.7	2.9	2.9	3.2	3.6	2.92	12	3.6
10	3.9	2.9	3.6	6.3	2.9	1.6	1.7	1.1	1.4	3.4	2.4	2.0	2.81	12	6.3
11	1.7	2.6	2.2	2.8	2.7	1.8	1.7	2.1	2.1	2.3	2.1	1.5	2.18	12	2.8
12	1.3	1.5	1.8	3.3	2.1	2.2	2.8	2.2	2.0	1.9	1.6	1.6	2.07	12	3.3
13	1.6	1.6	2.2	3.2	3.2	2.4	3.0	2.7	2.7	2.8	2.9	2.7	2.63	12	3.2
14	2.4	1.9	2.4	3.5	3.9	3.2	2.6	2.2	3.0	2.1	3.4	3.8	2.90	12	3.9
15	3.5	3.5	2.9	4.7	3.5	2.5	2.5	2.3	2.0	1.7	1.6	1.4	2.71	12	4.7
16	1.5	1.7	1.7	6.4	2.7	2.1	2.3	2.1	2.6	2.0	1.4	1.2	2.00	12	2.7
17	1.1	1.3	1.0	1.7	1.5	1.6	2.2	1.5	1.7	1.6	1.2	1.4	1.53	12	2.2
18	1.1	1.4	2.6	3.5	2.9	2.5	2.1	2.5	3.2	4.4	4.2	4.5	2.95	12	4.5
19	3.7	3.6	4.5	4.5	5.0	4.4	2.5	2.2	3.5	4.7	3.9	2.3	3.77	12	5.0
20	2.2	1.7	1.8	2.3	2.9	3.7	3.4	3.4	3.3	2.0	1.3	1.8	2.52	12	3.7
21	1.5	0.8	2.5	3.5	4.1	2.8	2.0	3.0	3.8	3.8	3.0	2.2	2.79	12	4.1
22	1.8	1.6	2.0	4.5	2.0	1.5	1.3	1.4	2.6	1.8	1.7	0.9	1.81	12	2.6
23	0.9	0.9	1.4	2.0	1.9	2.2	1.7	2.0	1.8	2.3	2.5	2.4	1.88	12	2.5
24	2.0	2.6	3.9	6.2	5.1	1.8	2.3	2.4	2.0	1.2	0.9	2.9	2.82	12	6.2
25	2.8	3.3	3.7	4.3	4.2	3.2	2.8	2.8	4.2	4.8	3.6	2.4	3.55	12	4.8
26	3.0	2.9	3.3	4.9	4.7	3.2	2.5	2.2	4.1	3.3	1.0	1.8	3.09	12	4.9
27	1.4	1.7	2.4	3.3	4.1	3.7	2.7	2.4	2.4	3.0	2.0	2.6	2.68	12	4.1
28	1.8	2.5	2.3	4.5	2.0	2.3	1.8	1.8	2.5	1.4	1.0	1.7	1.91	12	2.5
29	1.0	1.3	1.5	3.0	2.5	2.6	2.3	2.7	2.2	2.8	2.6	2.9	2.32	12	3.0
30	2.6	2.5	3.2	3.9	3.6	2.8	3.2	2.4	1.8	1.8	2.4	2.0	2.72	12	3.9
AVG	2.12	2.19	2.52	3.62	3.32	2.55	2.29	2.29	2.57	2.47	2.39	2.35	2.55		
N(3)	30	30	30	30	30	30	30	30	30	30	30	30		360	
MAX*	3.9	4.6	4.8	6.3	5.7	4.4	3.4	3.5	4.2	4.8	4.3	4.6	3.77		6.3

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

TABULATED 02/06/69

Table 3-151.

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DEC/63

DAY OF MONTH	TIME (STARTING HOUR) CHICAGO ILLINOIS 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	1.9	1.7	2.0	3.0	3.0	2.5	1.5	2.4	2.2	2.3	1.7	1.1	2.14	12	3.0
02	1.0	1.2	1.7	2.9	5.2	4.9	3.6	2.4	3.0	2.1	2.7	2.9	2.84	12	5.2
03	2.7	2.2	3.4	4.5	5.3	5.0	3.4	2.8	2.8	2.5	2.8	3.4	3.44	12	5.3
04	3.6	3.1	3.4	5.0	4.6	4.0	2.9	3.0	2.7		2.4	2.6	3.43	11	5.0
05	2.0	2.1	3.1	4.2	3.4	3.8	2.9	3.2	3.3	2.7	2.5	3.2	3.07	12	4.2
06	1.9	2.0	2.7	4.6	3.5	3.6	2.5	3.4	4.5	5.4	6.2	6.1	3.83	12	6.2
07	5.5	3.7	3.0	4.2	3.3	3.0	2.4	3.0	3.8	4.2	3.2	2.1	3.48	12	5.5
08	1.6	1.4	1.1	2.8	2.5	1.7	1.8	2.0	2.4	2.4	2.1	3.1	2.12	12	3.1
09	2.7	3.1	3.5	3.9	3.6	3.0	2.3	2.9	2.4	2.3	2.4	2.0	2.89	12	3.9
10	2.1	2.4	2.7	3.0	3.4	3.0	2.3	2.4	2.8	2.5	2.3	2.6	2.66	12	3.4
11	2.2	2.8	3.4	3.1	5.8	2.8	3.6	2.9	2.4	2.3	3.5	4.6	3.33	12	5.8
12	2.9	2.1	2.6	3.9	3.6	3.1	2.8	2.4	2.7	2.8	2.4	2.2	2.84	12	3.9
13	2.1	1.4	2.0	3.3	3.7	2.7	2.2	2.5	1.9	2.6	2.2	1.9	2.42	12	3.7
14	1.8	1.6	2.1	2.8	3.4	3.3	2.8						2.56	07	3.4
15															
16															
17															
18															
19															
20							2.8	3.4	3.5	2.8	3.1	3.1			
21	3.2	4.2	4.2	4.7	5.8	4.8	4.9	5.4	4.6	5.0	5.7	6.4	4.95	12	6.4
22	6.8	7.1	5.8	5.2	5.3	4.8	4.2	3.0	5.2	6.5	6.0	5.0	5.44	12	7.1
23	5.2	4.9	5.7	5.4	4.9	4.7	3.6	3.0	3.9	4.2	2.9	2.3	4.28	12	5.7
24	2.8	2.3	1.6	2.6	3.0	3.0	3.0	3.3	2.8	3.3	4.0	3.4	2.96	12	4.0
25	2.8	3.3	4.4	5.5	5.6	4.1	2.2	1.8	1.7	2.5	2.4	2.3	3.25	12	5.6
26	1.6	1.8	2.5	4.1	2.8	3.6	3.5	3.0	2.8	2.5	2.6	2.3	2.80	12	4.1
27	1.9	2.3	2.8	2.7	3.0	2.4	1.8	2.6	2.5	2.2	2.1	2.3	2.43	12	3.0
28	2.0	1.8	2.7	4.8	4.7	3.8	2.7	2.1	2.8	2.8	2.4	2.4	2.96	12	4.8
29	2.1	2.1	1.6	2.0	2.5	2.1	1.7	2.2	2.0	2.2	2.8	2.4	2.20	12	2.8
30	2.6	2.4	3.0	4.4	4.3	4.3	4.0	4.0	4.6	4.7	6.1	6.5	4.27	12	6.5
31	5.6	6.5	5.7	6.4	6.1	5.9	4.1	4.5	5.1	6.2	6.6	5.9	5.76	12	6.6
AVG	2.82	2.78	3.06	3.92	4.09	3.59	2.90	2.92	3.12	3.31	3.33	3.29	3.24		
N(3)	25	25	25	25	25	25	25	24	24	23	24	24		294	
MAX*	6.8	7.1	5.8	6.4	6.1	5.9	4.9	5.4	5.2	6.5	6.6	6.5	5.76		7.1

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

* U.S. GOVERNMENT PRINTING OFFICE : 1969 O—355-075